

Delivery program
Semi-finished plastics



Centroplast

Engineering Plastics GmbH

Engineering plastics belong to most important industrial materials. They convince above all by their level of performance and high flexibility. Centroplast is one of the leading manufacturers and suppliers of engineering plastics. Due to our product diversity, our reactions to your requirements are at an optimal level.

Material selection made easy: Besides our complete range of products you will also find the following additional information in this delivery programme:

- Material database
- Comparison of material properties
- Chemical resistance



As your partner we attach great importance to an individual support and comprehensive consultation. As a result, our competent customer advisors have pleasure in answering your questions in a personal conversation, by telephone or by e-mail. Thanks to many years of experience and a collection of know-how, we are able to provide you with required product information and advise as to new challenges and production possibilities.

The whole Centroplast product variety is also available to you online. Besides the delivery programme you can obtain detailed product information, data sheets, compliance statements and certificates. With the user tools on our homepage we can provide you with all product information straightforwardly and quickly. Our "user database" supports you through limiting the material attributes in the selection of the suitable plastics. With the "product comparison" you can compare the attributes of different material types in table or graphic form. Thanks to the user friendly and user orientated surface it only takes one click to obtaining the best information. Visit us on our homepage www.centroplast.de.

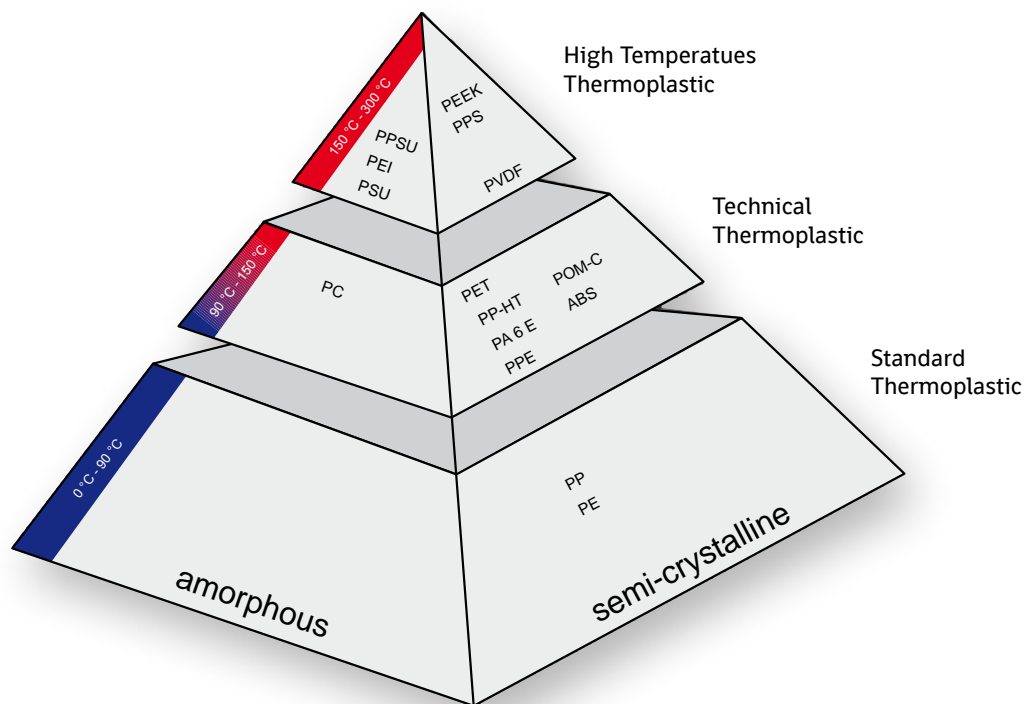
Plastics

from technical Thermoplastic

Plastics are distinguished in three groups by their structure: thermoplastics, duroplasts and elastomers. We have specialised ourselves on the production and machining of thermoplastics, which consist of thread-like macromolecules and are easy to form, melt and recycle.

Advantages of thermoplastics

- low weight
- adaptable application possibilities
- mechanical, electrical, physical and thermal load capacity
- good wear properties
- high chemical resistance
- re-formable



We supply our semi-finished plastic products in the form of rods, tubes, films, plates, sheets and square bars. Furthermore we can already format the semi-finished plastics to the desired dimension in our own factory.



You will find a clearly pictured and by material grade diversified presentation of our product portfolio on the following pages. You will obtain information on which forms, colours and dimensions are held as a standard on stock and which products can also be produced if desired.

Please feel free to contact our competent advisors, if you have additional wishes as to material grades, dimensions and colours. We have pleasure in advising you in view of technical feasibility and economic efficiency.

OVERVIEW OF PRODUCTS



CENTRODAL	POM	POLYOXIMETHYLENE	Page		7
CENTRODAL C	POM C	Polyoximethylene Copolymer	8	9	11
CENTRODAL C FG	POM C FG	Polyoximethylene C Food Grade, acc. to EU-Reg. 10/2011	12	12	13
CENTRODAL W	POM W	Polyoximethylene C + drinking water approval, KTW	14	15	15
CENTRODAL H	POM H	Polyoximethylene Homopolymer	16	16	17
CENTRODAL GL	POM + PE	Polyoximethylene C + PE-UHMW	18	18	19
CENTRODAL TF	POM + PTFE	Polyoximethylene C + PTFE	20	20	21
CENTRODAL GF	POM GF 30	Polyoximethylene C + 30% glass fibre	22	22	23
CENTRODAL LF	POM LF	Polyoximethylene C electrically conductive	24	24	25
CENTRODAL MD	POM MD	Polyoximethylene C magnetically detectable	26	26	27
CENTROGUARD	POM CG	Polyoximethylene C + antimicrobial agents	28	29	29

CENTROLYTE	PET	POLYETHYLENE TEREPHTHALATE	Page		31
CENTROLYTE	PET	Polyethylene terephthalate	32	33	33
CENTROLYTE FG	PET FG	Polyethylene terephthalate Food Grade, acc. to EU-Reg. 10/2011	34	35	35
CENTROLYTE ZX	PET ZX	Polyethylene terephthalate with lubricant	36	36	37

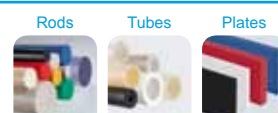
CENTROMID	PA	POLYAMIDE	Page		39
CENTROMID 6 E	PA 6 E	Polyamide 6 extruded	40	41	41
CENTROMID 6 E FG	PA 6 E FG	Polyamide 6 E Food Grade, acc. to EU-Reg. 10/2011	42	43	43
CENTROMID 6 G	PA 6 Cast	Polyamide 6 Cast	44	44	45
CENTROMID 6 GF	PA 6 GF 30	Polyamide 6 E + 30% glass fibre	46	46	47
CENTROMID 6.6	PA 6.6	Polyamide 6.6	48	49	49
CENTROMID 6.6 FG	PA 6.6 FG	Polyamide 6.6 Food Grade, acc. to EU-Reg. 10/2011	50	51	51
CENTROMID 6.6 GL	PA 6.6 + PE	Polyamide 6.6 + Polyethylene	52	52	53
CENTROMID 6.6 GF	PA 6.6 GF 30	Polyamide 6.6 + 30% glass fibre	54	54	54
CENTROMID 12	PA 12	Polyamide 12	55	56	56
CENTROMID 12 GF	PA 12 GF 30	Polyamide 12 + 30% glass fibre	57	57	58
CENTROMID 12 W	PA 12 soft	Polyamide 12 soft	-	59	-
CENTROMID 12 LE W	PA 12 LE soft	Polyamide 12 food safe soft	-	59	-

CENTROCARB	PC	POLYCARBONATE	Page		61
CENTROCARB	PC	Polycarbonate	62	62	63
CENTROCARB GF	PC GF 30	Polycarbonate + 30% glass fibre	64	64	65

CENTROPHEN	PPE	POLYPHENYLENE ETHER	Page		67
CENTROPHEN	PPE	Polyphenylene ether	68	68	69
CENTROPHEN GF	PPE GF 30	Polyphenylene ether + 30% glass fibre	70	70	71

CENTROSOL	ABS	ACRYLNITRILE BUTADIENE STYRENE COPOLYMER	Page		73
CENTROSOL	ABS	Acrylnitrile butadiene Styrene copolymer	74	74	75

CENTROLEN	PE	POLYETHYLENE	Page		76
CENTROLEN	PE-HD	Polyethylene High Density	77	77	-
CENTROLEN	PE-UHMW	Ultra-high molecular weight Polyethylene	78	-	-



CENTROLEN	PP	POLYPROPYLENE	Page 79		
CENTROLEN	PP-H	Polypropylene Homopolymer	80	80	-
CENTROLEN	PPs	Polypropylene flame resistant	81	81	-
CENTROLEN	PP GF 30	Polypropylene + 30% glass fibre	82	82	-
CENTROLEN	PP LF	Polypropylene electrically conductive	83	83	-

CENTROLAB HT	PP-HT	POLYPROPYLENE HIGHER TEMPERATURES	Page 85		
CENTROLAB HT	PP-HT	Polypropylene Higher Temperatures	86	86	87

CENTROPEEK	PEEK	POLYETHERETHERKETONE	Page 88		
CENTROPEEK	PEEK	Polyetheretherketone	89	-	89

CENTRO HPM	PPSU	POLYPHENYLSULPHONE	Page 90		
CENTRO HPM	PPSU	Polyphenylsulphone	91	-	-

CENTRO HPM	PSU	POLYSULFPHONE	Page 90		
CENTRO HPM	PSU	Polysulphone	91	-	-

CENTRO HPM	PEI	POLYETHERIMIDE	Page 90		
CENTRO HPM	PEI	Polyetherimide	91	-	-

CENTROTRON	PPS	POLYPHENYLENE SULFIDE	Page 92		
CENTROTRON	PPS	Polyphenylene sulfide	93	93	93
CENTROTRON GF 15	PPS GF 15	Polyphenylene sulfide + 15% glass fibre	94	94	94
CENTROTRON GF 40	PPS GF 40	Polyphenylene sulfide + 40% glass fibre	95	95	95

CENTROFLON	PVDF	POLYVINYLIDENE FLUORIDE	Page 97		
CENTROFLON	PVDF	Polyvinylidene fluoride	98	98	99

CENTROPLAST BC	BC	BIOPOLYMER BLEND	Page 100		
CENTROPLAST BC	BC	Biopolymer Blend	101	-	101
CENTROPLAST BC NF	BC NF 15	Biopolymer Blend + 15% natural fibre	101	-	101

Additional information

MATERIAL DATABASE	Page 102	
--------------------------	-----------------	--

COMPARISON OF MATERIAL PROPERTIES	Page 106	
--	-----------------	--

CHEMICAL RESISTANCE	Page 108	
----------------------------	-----------------	--

FORMATTING	Page 110	
-------------------	-----------------	--





CENTRODAL / POM

High strength and excellent machinability

Polyoxymethylenes are engineered thermoplastics, which are formed through co-polymerisation of formaldehyde. Due to its chemical structure, POM-engineering plastics are also referred to as polyacetals. They possess high crystallinity and belong to the stiffest and most solid thermoplastic engineered plastics with good tensile strength, high surface hardness, and low friction at the same time. Polyoxymethylenes are often used as precision parts for precision engineering and serve as a substitute for metals.



Material Properties

Water absorption:	less good
Strength Hardness Toughness:	good
Temperature for usage in air:	good
Dimensional stability Heat distortion temperature:	good
Bond-, Weld- and Machinability:	very good
Acid and Chemical resistance:	good

Product Informationen

Name: Polyoximethylene
Other names: Polyacetale. Polyformaldehyde
Abbreviation ISO 1043: POM
CAS-number: 9002-81-7
Type of polymer: Thermoplastic
Molecular Shapeula: (CH ₂ O) _n

Modifications

- CENTRODAL C / POM C
- CENTRODAL C FG / POM C FG
- CENTRODAL W / POM W
- CENTRODAL H / POM H
- CENTRODAL GL / POM + PE
- CENTRODAL TF / POM + PTFE
- CENTRODAL GF / POM GF 30
- CENTRODAL LF / POM LF
- CENTRODAL MD / POM MD
- CENTROGUARD / POM CG

Field of application

- Bearing bushes
- Chain guides
- Guides
- Pump components
- Rollers
- Scrapers
- Seals
- Sliding components
- Toothed wheels
- Valve bodies

CENTRODAL C / POM C

PRODUCT INFORMATION

Trade name: CENTRODAL C
Abbreviation: POM C
Designation: Polyoximethylene Copolymer
Shapes: Rods | Tubes | Films | Sheets | Plates | Square Bars
Colours: Natural | Black | Desired colours
Density: 1.41 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
5	+0.1	+0.6	1000 3000	0.032	0.032
6	+0.1	+0.6	1000 3000	0.045	0.045
8	+0.1	+0.7	1000 3000	0.079	0.079
10	+0.1	+0.7	1000 3000	0.122	0.122
12	+0.2	+0.8	1000 3000	0.176	0.176
15	+0.2	+0.8	1000 3000	0.270	0.270
16	+0.2	+0.8	1000 3000	0.306	0.306
18	+0.2	+0.8	1000 3000	0.385	0.385
20	+0.2	+0.8	1000 3000	0.472	0.472
22	+0.2	+1.0	1000 3000	0.574	0.574
25	+0.2	+1.0	1000 3000	0.737	0.737
28	+0.2	+1.0	1000 3000	0.919	0.919
30	+0.2	+1.0	1000 3000	1.052	1.052
32	+0.2	+1.2	1000 3000	1.202	1.202
36	+0.2	+1.2	1000 3000	1.514	1.514
40	+0.2	+1.2	1000 3000	1.862	1.862
45	+0.3	+1.3	1000 3000	2.358	2.358
50	+0.3	+1.3	1000 3000	2.901	2.901
56	+0.3	+1.3	1000 3000	3.626	3.626
60	+0.3	+1.6	1000 3000	4.176	4.176
65	+0.3	+1.6	1000 3000	4.889	4.889
70	+0.3	+1.6	1000 3000	5.658	5.658
75	+0.4	+2.0	1000 3000	6.527	6.527
80	+0.4	+2.0	1000 3000	7.411	7.411
85	+0.5	+2.2	1000 3000	8.381	8.381
90	+0.5	+2.2	1000 3000	9.380	9.380
95	+0.6	+2.5	1000 3000	10.478	10.478
100	+0.6	+2.5	1000 3000	11.591	11.591
105	+0.7	+3.0	1000 3000	12.833	12.833
110	+0.7	+3.0	1000 3000	14.062	14.062
115	+0.8	+3.5	1000 3000	15.426	15.426
120	+0.8	+3.5	1000 3000	16.771	16.771
125	+0.8	+3.5	1000 3000	18.172	18.172
130	+0.9	+3.8	1000 3000	19.689	19.689
135	+0.9	+3.8	1000 3000	21.205	21.205
140	+0.9	+3.8	1000 3000	22.777	22.777
150	+1.0	+4.2	1000 3000	26.175	26.175
155	+1.1	+4.5	1000 3000	27.989	27.989
160	+1.1	+4.5	1000 3000	29.791	29.791
165	+1.2	+5.0	1000 3000	31.762	31.762
170	+1.2	+5.0	1000 3000	33.680	33.680
175	+1.2	+5.0	1000 3000	35.654	35.654
180	+1.2	+5.0	1000 3000	37.684	37.684
190	+1.3	+5.5	1000 3000	42.042	42.042
200	+1.3	+5.5	1000 3000	46.503	46.503
210	+1.3	+5.8	1000 3000	51.259	51.259
220	+1.3	+5.8	1000 3000	56.173	56.173
225	+1.5	+6.2	1000 3000	58.868	58.868
230	+1.5	+6.2	1000 3000	61.468	61.468
235	+1.5	+6.2	1000 3000	64.125	64.125
250	+1.5	+6.2	1000 3000	72.432	72.432
255	+1.5	+6.6	1000 3000	75.430	75.430
260	+1.5	+6.6	1000 3000	78.370	78.370
280	+1.5	+6.6	1000 3000	90.691	90.691
300	+1.5	+7.5	1000 3000	104.220	104.220

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTRODAL C / POM C

PRODUCT INFORMATION

Trade name: CENTRODAL C
Abbreviation: POM C
Designation: Polyoximethylene Copolymer
Shapes: Rods | Tubes | Films | Sheets | Plates | Square Bars
Colours: Natural | Black | Desired colours
Density: 1.41 g/cm³



Tubes

Diameter (mm)		Tolerances outer diameter (mm)		Tolerances inner diameter (mm)		Stock lengths (mm)		Weight (kg/m) natural	Weight (kg/m) black
20	10	+0.4	+1.1	-0.4	-1.1	1000	3000	0.388	0.388
20	12	+0.4	+1.1	-0.4	-1.1	1000	3000	0.342	0.342
20	15	+0.4	+1.1	-0.4	-1.1	1000	3000	0.256	0.256
22	10	+0.4	+1.1	-0.4	-1.1	1000	3000	0.486	0.486
22	16	+0.4	+1.1	-0.4	-1.1	1000	3000	0.320	0.320
25	12	+0.4	+1.1	-0.4	-1.1	1000	3000	0.603	0.603
25	15	+0.4	+1.1	-0.4	-1.1	1000	3000	0.517	0.517
25	18	+0.4	+1.1	-0.4	-1.1	1000	3000	0.411	0.411
28	12	+0.4	+1.1	-0.4	-1.1	1000	3000	0.787	0.787
28	15	+0.4	+1.1	-0.4	-1.1	1000	3000	0.701	0.701
28	20	+0.4	+1.1	-0.4	-1.1	1000	3000	0.513	0.513
30	15	+0.4	+1.1	-0.4	-1.1	1000	3000	0.835	0.835
30	20	+0.4	+1.1	-0.4	-1.1	1000	3000	0.646	0.646
32	15	+0.6	+2.0	-0.6	-2.0	1000	3000	1.035	1.035
32	20	+0.6	+2.0	-0.6	-2.0	1000	3000	0.853	0.853
32	25	+0.6	+2.0	-0.6	-2.0	1000	3000	0.615	0.615
36	12	+0.6	+2.0	-0.6	-2.0	1000	3000	1.435	1.435
36	15	+0.6	+2.0	-0.6	-2.0	1000	3000	1.353	1.353
36	17	+0.6	+2.0	-0.6	-2.0	1000	3000	1.287	1.287
36	20	+0.6	+2.0	-0.6	-2.0	1000	3000	1.171	1.171
36	25	+0.6	+2.0	-0.6	-2.0	1000	3000	0.932	0.932
40	20	+0.6	+2.0	-0.6	-2.0	1000	3000	1.524	1.524
40	25	+0.6	+2.0	-0.6	-2.0	1000	3000	1.286	1.286
40	30	+0.6	+2.0	-0.6	-2.0	1000	3000	0.991	0.991
45	20	+0.6	+2.0	-0.6	-2.0	1000	3000	2.016	2.016
45	25	+0.6	+2.0	-0.6	-2.0	1000	3000	1.778	1.778
45	30	+0.6	+2.0	-0.6	-2.0	1000	3000	1.484	1.484
45	35	+0.6	+2.0	-0.6	-2.0	1000	3000	1.133	1.133
50	20	+0.6	+2.0	-0.6	-2.0	1000	3000	2.565	2.565
50	25	+0.6	+2.0	-0.6	-2.0	1000	3000	2.327	2.327
50	30	+0.6	+2.0	-0.6	-2.0	1000	3000	2.032	2.032
50	40	+0.6	+2.0	-0.6	-2.0	1000	3000	1.275	1.275
56	30	+0.8	+2.5	-0.8	-2.5	1000	3000	2.832	2.832
56	35	+0.8	+2.5	-0.8	-2.5	1000	3000	2.486	2.486
56	40	+0.8	+2.5	-0.8	-2.5	1000	3000	2.083	2.083
60	30	+0.8	+2.5	-0.8	-2.5	1000	3000	3.369	3.369
60	40	+0.8	+2.5	-0.8	-2.5	1000	3000	2.619	2.619
60	50	+0.8	+2.5	-0.8	-2.5	1000	3000	1.644	1.644
65	40	+0.8	+3.0	-0.8	-3.0	1000	3000	3.399	3.399
65	50	+0.8	+3.0	-0.8	-3.0	1000	3000	2.430	2.430
70	30	+0.8	+3.0	-0.8	-3.0	1000	3000	4.923	4.923
70	40	+0.8	+3.0	-0.8	-3.0	1000	3000	4.179	4.179
70	50	+0.8	+3.0	-0.8	-3.0	1000	3000	3.210	3.210
70	60	+0.8	+3.0	-0.8	-3.0	1000	3000	2.016	2.016
75	50	+0.8	+3.0	-0.8	-3.0	1000	3000	4.046	4.046
75	60	+0.8	+3.0	-0.8	-3.0	1000	3000	2.853	2.853
80	40	+0.8	+3.0	-0.8	-3.0	1000	3000	5.908	5.908

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTRODAL C / POM C

PRODUCT INFORMATION

Trade name: CENTRODAL C
Abbreviation: POM C
Designation: Polyoximethylene Copolymer
Shapes: Rods | Tubes | Films | Sheets | Plates | Square Bars
Colours: Natural | Black | Desired colours
Density: 1.41 g/cm³



Tubes

Diameter (mm)		Tolerances outer diameter (mm)		Tolerances inner diameter (mm)		Stock lengths (mm)		Weight (kg/m) natural	Weight (kg/m) black
80	50	+0.8	+3.0	-0.8	-3.0	1000	3000	4.939	4.939
80	60	+0.8	+3.0	-0.8	-3.0	1000	3000	3.745	3.745
90	40	+1.2	+3.6	-1.6	-5.0	1000	3000	8.083	8.083
90	50	+1.2	+3.6	-1.6	-5.0	1000	3000	7.145	7.145
90	60	+1.2	+3.6	-1.6	-5.0	1000	3000	5.983	5.983
90	70	+1.2	+3.6	-1.6	-5.0	1000	3000	4.596	4.596
100	40	+1.2	+3.6	-1.6	-5.0	1000	3000	10.272	10.272
100	50	+1.2	+3.6	-1.6	-5.0	1000	3000	9.335	9.335
100	60	+1.2	+3.6	-1.6	-5.0	1000	3000	8.173	8.173
100	70	+1.2	+3.6	-1.6	-5.0	1000	3000	6.786	6.786
100	80	+1.2	+3.6	-1.6	-5.0	1000	3000	5.174	5.174
110	50	+1.2	+3.6	-1.6	-5.0	1000	3000	11.749	11.749
110	60	+1.2	+3.6	-1.6	-5.0	1000	3000	7.588	7.588
115	70	+1.5	+4.5	-2.0	-6.5	1000	3000	10.792	10.792
115	90	+1.5	+4.5	-2.0	-6.5	1000	3000	7.386	7.386
125	50	+1.5	+4.5	-2.0	-6.5	1000	3000	16.063	16.063
125	80	+1.5	+4.5	-2.0	-6.5	1000	3000	11.966	11.966
125	100	+1.5	+4.5	-2.0	-6.5	1000	3000	8.111	8.111
140	70	+1.5	+4.5	-2.0	-6.5	1000	3000	18.126	18.126
140	80	+1.5	+4.5	-2.0	-6.5	1000	3000	16.535	16.535
140	90	+1.5	+4.5	-2.0	-6.5	1000	3000	14.720	14.720
140	100	+1.5	+4.5	-2.0	-6.5	1000	3000	12.680	12.680
150	80	+1.5	+4.5	-2.0	-6.5	1000	3000	19.863	19.863
150	100	+1.5	+4.5	-2.0	-6.5	1000	3000	16.007	16.007
150	120	+1.5	+4.5	-2.0	-6.5	1000	3000	11.253	11.253
160	80	+1.8	+5.4	-2.2	-7.5	1000	3000	23.736	23.736
160	100	+1.8	+5.4	-2.2	-7.5	1000	3000	19.908	19.908
180	90	+1.8	+5.4	-2.2	-7.5	1000	3000	29.740	29.740
180	120	+1.8	+5.4	-2.2	-7.5	1000	3000	22.986	22.986
180	140	+1.8	+5.4	-2.2	-7.5	1000	3000	17.359	17.359
200	100	+2.0	+6.0	-2.5	-8.5	1000	3000	36.740	36.740
200	120	+2.0	+6.0	-2.5	-8.5	1000	3000	32.041	32.041
200	150	+2.0	+6.0	-2.5	-8.5	1000	3000	23.307	23.307
200	160	+2.0	+6.0	-2.5	-8.5	1000	3000	19.947	19.947
225	100	+3.0	+9.0	-3.0	-12.0	1000	3000	50.362	50.362
225	150	+3.0	+9.0	-3.0	-12.0	1000	3000	37.154	37.154
225	175	+3.0	+9.0	-3.0	-12.0	1000	3000	28.443	28.443
250	150	+3.0	+9.0	-3.0	-12.0	1000	3000	50.839	50.839
250	200	+3.0	+9.0	-3.0	-12.0	1000	3000	32.012	32.012
280	150	+3.0	+10.0	-3.5	-13.0	1000	3000	69.677	69.677
280	200	+3.0	+10.0	-3.5	-13.0	1000	3000	50.934	50.934
300	150	+3.0	+10.0	-3.5	-13.0	1000	3000	83.008	83.008
300	200	+3.0	+10.0	-3.5	-13.0	1000	3000	64.265	64.265
320	150	+3.0	+11.0	-3.5	-14.0	1000	3000	97.765	97.765
320	200	+3.0	+11.0	-3.5	-14.0	1000	3000	79.078	79.078
350	200	+3.0	+11.0	-3.5	-14.0	1000	3000	102.143	102.143
350	300	+3.0	+11.0	-3.5	-14.0	1000	3000	47.909	47.909

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTRODAL C / POM C



Films | Sheets | Plates | Square Bars

PRODUCT INFORMATION

Trade name: CENTRODAL C
Abbreviation: POM C
Designation: Polyoximethylene Copolymer
Shapes: Rods | Tubes | Films | Sheets | Plates | Square Bars
Colours: Natural | Black | Desired colours
Density: 1.41 g/cm³

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)		Weight (kg/m) natural	Weight (kg/m) black
0.5*	-0.10	+0.10	1000	1000	2000	0.733	0.733
0.8*	-0.10	+0.10	1000	1000	2000	1.174	1.174
1.0	-0.10	+0.10	1000	1000	2000	1.467	1.467
1.5	-0.15	+0.15	1000	1000	2000	2.200	2.200
2.0	-0.15	+0.15	1000	1000	2000	2.934	2.934
2.5	+0.20	+0.20	1000	1000	2000	3.667	3.667
3	-0.20	+0.20	1000	1000	2000	4.401	4.401
4	-0.20	+0.20	1000	1000	2000	5.868	5.868
5	-0.25	+0.25	1000	1000	2000	7.335	7.335
6	-0.25	+0.25	1000	1000	2000	8.802	8.802
8	+0.2	+1.1	500	1000	3000	6.344	6.344
8	+0.2	+1.1	1000	1000	2000	12.689	12.689
10	+0.2	+1.1	500	1000	3000	7.811	7.811
10	+0.2	+1.1	610	1000	3000	9.530	9.530
10	+0.2	+1.1	1000	1000	2000	15.623	15.623
12	+0.3	+1.5	500	1000	3000	9.462	9.462
12	+0.3	+1.5	610	1000	3000	11.543	11.543
12	+0.3	+1.5	1000	1000	2000	18.923	18.923
15	+0.3	+1.5	500	1000	3000	11.662	11.662
15	+0.3	+1.5	610	1000	3000	14.228	14.228
15	+0.3	+1.5	1000	1000	2000	23.324	23.324
16	+0.3	+1.5	610	1000	3000	15.123	15.123
16	+0.3	+1.5	1000	1000	2000	24.791	24.791
20	+0.3	+1.5	500	1000	3000	15.329	15.329
20	+0.3	+1.5	610	1000	3000	18.702	18.702
20	+0.3	+1.5	1000	1000	2000	30.659	30.659
25	+0.3	+1.5	500	1000	3000	18.997	18.997
25	+0.3	+1.5	610	1000	3000	23.176	23.176
25	+0.3	+1.5	1000	1000	2000	37.993	37.993
30	+0.5	+2.5	500	1000	3000	23.104	23.104
30	+0.5	+2.5	610	1000	3000	28.187	28.187
30	+0.5	+2.5	1000	1000	2000	46.208	46.208
35	+0.5	+2.5	500	1000	3000	26.771	26.771
35	+0.5	+2.5	610	1000	3000	32.661	32.661
35	+0.5	+2.5	1000	1000	2000	53.543	53.543
40	+0.5	+2.5	500	1000	3000	30.439	30.439
40	+0.5	+2.5	610	1000	3000	37.135	37.135
40	+0.5	+2.5	1000	1000	2000	60.878	60.878
45	+0.5	+2.5	500	1000	3000	34.106	34.106
45	+0.5	+2.5	610	1000	3000	41.609	41.609
45	+0.5	+2.5	1000	1000	2000	68.212	68.212
50	+0.5	+2.5	500	1000	3000	37.773	37.773
50	+0.5	+2.5	610	1000	3000	46.084	46.084
50	+0.5	+2.5	1000	1000	2000	75.547	75.547
55	+0.5	+3.5	500	1000	3000	41.807	41.807
55	+0.5	+3.5	610	1000	3000	50.558	50.558
60	+0.5	+3.5	500	1000	3000	45.475	45.475
60	+0.5	+3.5	610	1000	3000	55.479	55.479
60	+0.5	+3.5	1000	1000	2000	90.950	90.950
70	+0.5	+3.5	500	1000	3000	52.809	52.809
70	+0.5	+3.5	610	1000	3000	64.428	64.428
70	+0.5	+3.5	1000	1000	2000	105.619	105.619
80	+0.5	+5.0	610	1000	3000	74.047	74.047
80	+0.5	+5.0	1000	1000	2000	121.388	121.388
90	+0.5	+5.0	610	1000	3000	82.995	82.995
90	+0.5	+5.0	1000	1000	2000	136.058	136.058
100	+0.5	+5.0	610	1000	3000	91.943	91.943
100	+0.5	+5.0	1000	1000	2000	150.727	150.727
110	+0.5	+6.0	1000	1000	2000	166.130	166.130
120	+0.5	+6.0	320	1000	3000	57.856	57.856
120	+0.5	+5.0	610	1000	3000	109.840	109.840
300	+0.0	+12.0	300	1000		137.000	137.000

The sheet width 1220 mm and additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%

Standard item (available from stock)

* Continuous rolls (ID 76 mm)

CENTRODAL C FG / POM C FG



Rods

PRODUCT INFORMATION

Trade name: CENTRODAL C FG
Abbreviation: POM C FG
Designation: Polyoximethylene C Food Grade,
 according to EU-Regulation 10/2011
Shapes: Rods | Tubes | Films | Sheets |
 Plates | Square Bars
Colours: Natural | Ultramarine blue | Traffic blue
Density: 1.41 g/cm³

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m)		
				natural	ultramarine blue	traffic blue
6	+0.1	+0.6	1000 3000	0.045	0.045	0.045
8	+0.1	+0.7	1000 3000	0.079	0.079	0.079
10	+0.1	+0.7	1000 3000	0.122	0.122	0.122
12	+0.2	+0.8	1000 3000	0.176	0.176	0.176
15	+0.2	+0.8	1000 3000	0.270	0.270	0.270
16	+0.2	+0.8	1000 3000	0.306	0.306	0.306
18	+0.2	+0.8	1000 3000	0.385	0.385	0.385
20	+0.2	+0.8	1000 3000	0.472	0.472	0.472
22	+0.2	+1.0	1000 3000	0.574	0.574	0.574
25	+0.2	+1.0	1000 3000	0.737	0.737	0.737
28	+0.2	+1.0	1000 3000	0.919	0.919	0.919
30	+0.2	+1.0	1000 3000	1.052	1.052	1.052
32	+0.2	+1.2	1000 3000	1.202	1.202	1.202
36	+0.2	+1.2	1000 3000	1.514	1.514	1.514
40	+0.2	+1.2	1000 3000	1.862	1.862	1.862
45	+0.3	+1.3	1000 3000	2.358	2.358	2.358
50	+0.3	+1.3	1000 3000	2.901	2.901	2.901
56	+0.3	+1.3	1000 3000	3.626	3.626	3.626
60	+0.3	+1.6	1000 3000	4.176	4.176	4.176
65	+0.3	+1.6	1000 3000	4.889	4.889	4.889
70	+0.3	+1.6	1000 3000	5.658	5.658	5.658
75	+0.4	+2.0	1000 3000	6.527	6.527	6.527
80	+0.4	+2.0	1000 3000	7.411	7.411	7.411
85	+0.5	+2.2	1000 3000	8.381	8.381	8.381
90	+0.5	+2.2	1000 3000	9.380	9.380	9.380
95	+0.6	+2.5	1000 3000	10.478	10.478	10.478
100	+0.6	+2.5	1000 3000	11.591	11.591	11.591
105	+0.7	+3.0	1000 3000	12.833	12.833	12.833
110	+0.7	+3.0	1000 3000	14.062	14.062	14.062
115	+0.8	+3.5	1000 3000	15.426	15.426	15.426
120	+0.8	+3.5	1000 3000	16.771	16.771	16.771
125	+0.8	+3.5	1000 3000	18.172	18.172	18.172
130	+0.9	+3.8	1000 3000	19.689	19.689	19.689
135	+0.9	+3.8	1000 3000	21.205	21.205	21.205
140	+0.9	+3.8	1000 3000	22.777	22.777	22.777
150	+1.0	+4.2	1000 3000	26.175	26.175	26.175
155	+1.1	+4.5	1000 3000	27.989	27.989	27.989
160	+1.1	+4.5	1000 3000	29.791	29.791	29.791
165	+1.2	+5.0	1000 3000	31.762	31.762	31.762
170	+1.2	+5.0	1000 3000	33.680	33.680	33.680
175	+1.2	+5.0	1000 3000	35.654	35.654	35.654
180	+1.2	+5.0	1000 3000	37.684	37.684	37.684
190	+1.3	+5.5	1000 3000	42.042	42.042	42.042
200	+1.3	+5.5	1000 3000	46.503	46.503	46.503
210	+1.3	+5.8	1000 3000	51.259	51.259	51.259
220	+1.3	+5.8	1000 3000	56.173	56.173	56.173
225	+1.5	+6.2	1000 3000	58.868	58.868	58.868
230	+1.5	+6.2	1000 3000	61.468	61.468	61.468
235	+1.5	+6.2	1000 3000	64.125	64.125	64.125
250	+1.5	+6.2	1000 3000	72.432	72.432	72.432
255	+1.5	+6.6	1000 3000	75.430	75.430	75.430
260	+1.5	+6.6	1000 3000	78.370	78.370	78.370
280	+1.5	+6.6	1000 3000	90.691	90.691	90.691
300	+1.5	+7.5	1000 3000	104.220	104.220	104.220

Tubes made of CENTRODAL C FG / POM C FG are available on request. See Page 9 and 10.
 Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTRODAL C FG / POM C FG



Films | Sheets | Plates | Square Bars

PRODUCT INFORMATION

Trade name: CENTRODAL C FG
Abbreviation: POM C FG
Designation: Polyoximethylene C Food Grade, according to EU-Regulation 10/2011
Shapes: Rods | Tubes | Films | Sheets | Plates | Square Bars
Colours: Natural | Ultramarine blue | Traffic blue
Density: 1.41 g/cm³

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)			Weight (kg/m) natural	Weight (kg/m) ultramarine blue	Weight (kg/m) traffic blue
	-	+		1000	1000	2000			
0.5*	-0.10	+0.10	1000	1000	2000		0.733	0.733	0.733
0.8*	-0.10	+0.10	1000	1000	2000		1.174	1.174	1.174
1.0	-0.10	+0.10	1000	1000	2000		1.467	1.467	1.467
1.5	-0.15	+0.15	1000	1000	2000		2.200	2.200	2.200
2.0	-0.15	+0.15	1000	1000	2000		2.934	2.934	2.934
2.5	-0.20	+0.20	1000	1000	2000		3.667	3.667	3.667
3	-0.20	+0.20	1000	1000	2000		4.401	4.401	4.401
4	-0.20	+0.20	1000	1000	2000		5.868	5.868	5.868
5	-0.25	+0.25	1000	1000	2000		7.335	7.335	7.335
6	-0.25	+0.25	1000	1000	2000		8.802	8.802	8.802
8	+0.2	+1.1	500	1000	3000		6.344	6.344	6.344
8	+0.2	+1.1	1000	1000	2000		12.689	12.689	12.689
10	+0.2	+1.1	500	1000	3000		7.811	7.811	7.811
10	+0.2	+1.1	610	1000	3000		9.530	9.530	9.530
10	+0.2	+1.1	1000	1000	2000		15.623	15.623	15.623
12	+0.3	+1.5	500	1000	3000		9.462	9.462	9.462
12	+0.3	+1.5	610	1000	3000		11.543	11.543	11.543
12	+0.3	+1.5	1000	1000	2000		18.923	18.923	18.923
15	+0.3	+1.5	500	1000	3000		11.662	11.662	11.662
15	+0.3	+1.5	610	1000	3000		14.228	14.228	14.228
15	+0.3	+1.5	1000	1000	2000		23.324	23.324	23.324
16	+0.3	+1.5	610	1000	3000		15.123	15.123	15.123
16	+0.3	+1.5	1000	1000	2000		24.791	24.791	24.791
20	+0.3	+1.5	500	1000	3000		15.329	15.329	15.329
20	+0.3	+1.5	610	1000	3000		18.702	18.702	18.702
20	+0.3	+1.5	1000	1000	2000		30.659	30.659	30.659
25	+0.3	+1.5	500	1000	3000		18.997	18.997	18.997
25	+0.3	+1.5	610	1000	3000		23.176	23.176	23.176
25	+0.3	+1.5	1000	1000	2000		37.993	37.993	37.993
30	+0.5	+2.5	500	1000	3000		23.104	23.104	23.104
30	+0.5	+2.5	610	1000	3000		28.187	28.187	28.187
30	+0.5	+2.5	1000	1000	2000		46.208	46.208	46.208
35	+0.5	+2.5	500	1000	3000		26.771	26.771	26.771
35	+0.5	+2.5	610	1000	3000		32.661	32.661	32.661
35	+0.5	+2.5	1000	1000	2000		53.543	53.543	53.543
40	+0.5	+2.5	500	1000	3000		30.439	30.439	30.439
40	+0.5	+2.5	610	1000	3000		37.135	37.135	37.135
40	+0.5	+2.5	1000	1000	2000		60.878	60.878	60.878
45	+0.5	+2.5	500	1000	3000		34.106	34.106	34.106
45	+0.5	+2.5	610	1000	3000		41.609	41.609	41.609
45	+0.5	+2.5	1000	1000	2000		68.212	68.212	68.212
50	+0.5	+2.5	500	1000	3000		37.773	37.773	37.773
50	+0.5	+2.5	610	1000	3000		46.084	46.084	46.084
50	+0.5	+2.5	1000	1000	2000		75.547	75.547	75.547
55	+0.5	+3.5	500	1000	3000		41.807	41.807	41.807
55	+0.5	+3.5	610	1000	3000		50.558	50.558	50.558
60	+0.5	+3.5	500	1000	3000		45.475	45.475	45.475
60	+0.5	+3.5	610	1000	3000		55.479	55.479	55.479
60	+0.5	+3.5	1000	1000	2000		90.950	90.950	90.950
70	+0.5	+3.5	500	1000	3000		52.809	52.809	52.809
70	+0.5	+3.5	610	1000	3000		64.428	64.428	64.428
70	+0.5	+3.5	1000	1000	2000		105.619	105.619	105.619
80	+0.5	+5.0	610	1000	3000		74.047	74.047	74.047
80	+0.5	+5.0	1000	1000	2000		121.388	121.388	121.388
90	+0.5	+5.0	610	1000	3000		82.995	82.995	82.995
90	+0.5	+5.0	1000	1000	2000		136.058	136.058	136.058
100	+0.5	+5.0	610	1000	3000		91.943	91.943	91.943
100	+0.5	+5.0	1000	1000	2000		150.727	150.727	150.727
110	+0.5	+6.0	1000	1000	2000		166.130	166.130	166.130
120	+0.5	+6.0	320	1000	3000		57.856	57.856	57.856
120	+0.5	+5.0	610	1000	3000		109.840	109.840	109.840
300	+0.0	+12.0	300	1000			137.000	137.000	137.000

The sheet width 1220 mm and additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)

CENTRODAL W / POM W

PRODUCT INFORMATION

Trade name: CENTRODAL W
Abbreviation: POM W
Designation: Polyoximethylene + drinking water approval, KTW
Shapes: Rods | Tubes | Films | Sheets | Plates
Colour: Natural
Density: 1.41 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)		Weight (kg/m) natural
6	+0.1	+0.6	1000	3000	0.045
8	+0.1	+0.7	1000	3000	0.079
10	+0.1	+0.7	1000	3000	0.122
12	+0.2	+0.8	1000	3000	0.176
15	+0.2	+0.8	1000	3000	0.270
16	+0.2	+0.8	1000	3000	0.306
18	+0.2	+0.8	1000	3000	0.385
20	+0.2	+0.8	1000	3000	0.472
22	+0.2	+1.0	1000	3000	0.574
25	+0.2	+1.0	1000	3000	0.737
28	+0.2	+1.0	1000	3000	0.919
30	+0.2	+1.0	1000	3000	1.052
32	+0.2	+1.2	1000	3000	1.202
36	+0.2	+1.2	1000	3000	1.514
40	+0.2	+1.2	1000	3000	1.862
45	+0.3	+1.3	1000	3000	2.358
50	+0.3	+1.3	1000	3000	2.901
56	+0.3	+1.3	1000	3000	3.626
60	+0.3	+1.6	1000	3000	4.176
65	+0.3	+1.6	1000	3000	4.889
70	+0.3	+1.6	1000	3000	5.658
75	+0.4	+2.0	1000	3000	6.527
80	+0.4	+2.0	1000	3000	7.411
85	+0.5	+2.2	1000	3000	8.381
90	+0.5	+2.2	1000	3000	9.380
95	+0.6	+2.5	1000	3000	10.478
100	+0.6	+2.5	1000	3000	11.591
105	+0.7	+3.0	1000	3000	12.833
110	+0.7	+3.0	1000	3000	14.062
115	+0.8	+3.5	1000	3000	15.426
120	+0.8	+3.5	1000	3000	16.771
125	+0.8	+3.5	1000	3000	18.172
130	+0.9	+3.8	1000	3000	19.689
135	+0.9	+3.8	1000	3000	21.205
140	+0.9	+3.8	1000	3000	22.777
150	+1.0	+4.2	1000	3000	26.175
155	+1.1	+4.5	1000	3000	27.989
160	+1.1	+4.5	1000	3000	29.791
165	+1.2	+5.0	1000	3000	31.762
170	+1.2	+5.0	1000	3000	33.680
175	+1.2	+5.0	1000	3000	35.654
180	+1.2	+5.0	1000	3000	37.684
190	+1.3	+5.5	1000	3000	42.042
200	+1.3	+5.5	1000	3000	46.503
210	+1.3	+5.8	1000	3000	51.259
220	+1.3	+5.8	1000	3000	56.173
225	+1.5	+6.2	1000	3000	58.868
230	+1.5	+6.2	1000	3000	61.468
235	+1.5	+6.2	1000	3000	64.125
250	+1.5	+6.2	1000	3000	72.432
255	+1.5	+6.6	1000	3000	75.430
260	+1.5	+6.6	1000	3000	78.370
280	+1.5	+6.6	1000	3000	90.691
300	+1.5	+7.5	1000	3000	104.220

Additional dimensions are available on request.

Tolerance length: 0% to +3%

CENTRODAL W / POM W

PRODUCT INFORMATION

Trade name:	CENTRODAL W
Abbreviation:	POM W
Designation:	Polyoximethylene + drinking water approval, KTW
Shapes:	Rods Tubes Films Sheets Plates
Colour:	Natural
Density:	1.41 g/cm ³



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural
---------------	--------------------------------	--------------------------------	--------------------	-----------------------

Tubes made of CENTRODAL W / POM W are available on request.



Films | Sheets | Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural
0.5*	-0.10	+0.10	1000	1000 2000	0.733
0.8*	-0.10	+0.10	1000	1000 2000	1.174
1.0	-0.10	+0.10	1000	1000 2000	1.467
1.5	-0.15	+0.15	1000	1000 2000	2.200
2.0	-0.15	+0.15	1000	1000 2000	2.934
2.5	-0.20	+0.20	1000	1000 2000	3.667
3	-0.20	+0.20	1000	1000 2000	4.401
4	-0.20	+0.20	1000	1000 2000	5.868
5	-0.25	+0.25	1000	1000 2000	7.335
6	-0.25	+0.25	1000	1000 2000	8.802
8	+0.2	+1.1	500	1000 3000	6.344
8	+0.2	+1.1	1000	1000 2000	12.689
10	+0.2	+1.1	500	1000 3000	7.811
10	+0.2	+1.1	610	1000 3000	9.530
12	+0.3	+1.5	500	1000 3000	9.462
12	+0.3	+1.5	610	1000 3000	11.543
15	+0.3	+1.5	500	1000 3000	11.662
15	+0.3	+1.5	610	1000 3000	14.228
16	+0.3	+1.5	610	1000 3000	15.123
20	+0.3	+1.5	500	1000 3000	15.329
20	+0.3	+1.5	610	1000 3000	18.702
25	+0.3	+1.5	500	1000 3000	18.997
25	+0.3	+1.5	610	1000 3000	23.176
30	+0.5	+2.5	500	1000 3000	23.104
30	+0.5	+2.5	610	1000 3000	28.187
35	+0.5	+2.5	500	1000 3000	26.771
35	+0.5	+2.5	610	1000 3000	32.661
40	+0.5	+2.5	500	1000 3000	30.439
40	+0.5	+2.5	610	1000 3000	37.135
45	+0.5	+2.5	500	1000 3000	34.106
45	+0.5	+2.5	610	1000 3000	41.609
50	+0.5	+2.5	500	1000 3000	37.773
50	+0.5	+2.5	610	1000 3000	46.084
60	+0.5	+3.5	500	1000 3000	45.475
60	+0.5	+3.5	610	1000 3000	55.479
70	+0.5	+3.5	500	1000 3000	52.809
70	+0.5	+3.5	610	1000 3000	64.428
80	+0.5	+5.0	610	1000 3000	74.047
90	+0.5	+5.0	610	1000 3000	82.995
100	+0.5	+5.0	610	1000 3000	91.943

Additional dimensions are available on request.

Tolerance length: 0% to +3%
Tolerance width: +0.5% to +4%

* Continuous rolls (ID 76 mm)

CENTRODAL H / POM H

PRODUCT INFORMATION

Trade name: CENTRODAL H
Abbreviation: POM H
Designation: Polyoximethylene Homopolymer
Shapes: Rods | Tubes | Plates
Colours: Natural | Black | Desired colours
Density: 1.42 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
10	+0.1	+0.7	1000 3000	0.122	0.122
12	+0.2	+0.8	1000 3000	0.177	0.177
15	+0.2	+0.8	1000 3000	0.272	0.272
16	+0.2	+0.8	1000 3000	0.308	0.308
18	+0.2	+0.8	1000 3000	0.387	0.387
20	+0.2	+0.8	1000 3000	0.476	0.476
22	+0.2	+1.0	1000 3000	0.578	0.578
25	+0.2	+1.0	1000 3000	0.742	0.742
28	+0.2	+1.0	1000 3000	0.926	0.926
30	+0.2	+1.0	1000 3000	1.060	1.060
32	+0.2	+1.2	1000 3000	1.210	1.210
36	+0.2	+1.2	1000 3000	1.525	1.525
40	+0.2	+1.2	1000 3000	1.875	1.875
45	+0.3	+1.3	1000 3000	2.375	2.375
50	+0.3	+1.3	1000 3000	2.921	2.921
56	+0.3	+1.3	1000 3000	3.652	3.652
60	+0.3	+1.6	1000 3000	4.205	4.205
65	+0.3	+1.6	1000 3000	4.923	4.923
70	+0.3	+1.6	1000 3000	5.698	5.698
75	+0.4	+2.0	1000 3000	6.573	6.573
80	+0.4	+2.0	1000 3000	7.464	7.464
85	+0.5	+2.2	1000 3000	8.441	8.441
90	+0.5	+2.2	1000 3000	9.446	9.446
95	+0.6	+2.5	1000 3000	10.552	10.552
100	+0.6	+2.5	1000 3000	11.674	11.674
110	+0.7	+3.0	1000 3000	14.162	14.162
120	+0.8	+3.5	1000 3000	16.890	16.890
125	+0.8	+3.5	1000 3000	18.301	18.301
130	+0.9	+3.8	1000 3000	19.829	19.829
140	+0.9	+3.8	1000 3000	22.938	22.938
150	+1.0	+4.2	1000 3000	26.360	26.360



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
---------------	--------------------------------	--------------------------------	--------------------	-----------------------	---------------------

Tubes made of CENTRODAL H / POM H are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%

CENTRODAL H / POM H

PRODUCT INFORMATION

Trade name: CENTRODAL H
Abbreviation: POM H
Designation: Polyoximethylene Homopolymer
Shapes: Rods | Tubes | Plates
Colours: Natural | Black | Desired colours
Density: 1.42 g/cm³



Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
10	+0.2	+1.1	500	1000 3000	7.867	7.867
10	+0.2	+1.1	610	1000 3000	9.597	9.597
12	+0.3	+1.5	500	1000 3000	9.529	9.529
12	+0.3	+1.5	610	1000 3000	11.625	11.625
15	+0.3	+1.5	500	1000 3000	11.745	11.745
15	+0.3	+1.5	610	1000 3000	14.329	14.329
20	+0.3	+1.5	500	1000 3000	15.438	15.438
20	+0.3	+1.5	610	1000 3000	18.835	18.835
25	+0.3	+1.5	500	1000 3000	19.131	19.131
25	+0.3	+1.5	610	1000 3000	23.340	23.340
30	+0.5	+2.5	500	1000 3000	23.268	23.268
30	+0.5	+2.5	610	1000 3000	28.387	28.387
35	+0.5	+2.5	500	1000 3000	26.961	26.961
35	+0.5	+2.5	610	1000 3000	32.893	32.893
40	+0.5	+2.5	500	1000 3000	30.655	30.655
40	+0.5	+2.5	610	1000 3000	37.399	37.399
45	+0.5	+2.5	500	1000 3000	34.348	34.348
45	+0.5	+2.5	610	1000 3000	41.905	41.905
50	+0.5	+2.5	500	1000 3000	38.041	38.041
50	+0.5	+2.5	610	1000 3000	46.410	46.410
60	+0.5	+3.5	500	1000 3000	45.797	45.797
60	+0.5	+3.5	610	1000 3000	55.873	55.873
70	+0.5	+3.5	500	1000 3000	53.184	53.184
70	+0.5	+3.5	610	1000 3000	64.884	64.884
80	+0.5	+5.0	610	1000 3000	74.572	74.572
90	+0.5	+5.0	610	1000 3000	83.584	83.584
100	+0.5	+5.0	610	1000 3000	92.596	92.596

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%

CENTRODAL GL / POM + PE

PRODUCT INFORMATION

Trade name: CENTRODAL GL
Abbreviation: POM + PE
Designation: Polyoximethylene C + PE-UHMW
Shapes: Rods | Tubes | Plates
Colour: Light blue
Density: 1.35 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) light blue
10	+0.1	+0.7	1000 3000	0.116
12	+0.2	+0.8	1000 3000	0.168
15	+0.2	+0.8	1000 3000	0.259
16	+0.2	+0.8	1000 3000	0.293
18	+0.2	+0.8	1000 3000	0.368
20	+0.2	+0.8	1000 3000	0.452
22	+0.2	+1.0	1000 3000	0.550
25	+0.2	+1.0	1000 3000	0.705
28	+0.2	+1.0	1000 3000	0.880
30	+0.2	+1.0	1000 3000	1.008
32	+0.2	+1.2	1000 3000	1.151
36	+0.2	+1.2	1000 3000	1.450
40	+0.2	+1.2	1000 3000	1.783
45	+0.3	+1.3	1000 3000	2.257
50	+0.3	+1.3	1000 3000	2.777
56	+0.3	+1.3	1000 3000	3.472
60	+0.3	+1.6	1000 3000	3.998
65	+0.3	+1.6	1000 3000	4.681
70	+0.3	+1.6	1000 3000	5.417
75	+0.4	+2.0	1000 3000	6.249
80	+0.4	+2.0	1000 3000	7.096
85	+0.5	+2.2	1000 3000	8.024
90	+0.5	+2.2	1000 3000	8.981
95	+0.6	+2.5	1000 3000	10.032
100	+0.6	+2.5	1000 3000	11.098
110	+0.7	+3.0	1000 3000	13.464
120	+0.8	+3.5	1000 3000	16.057
125	+0.8	+3.5	1000 3000	17.399
130	+0.9	+3.8	1000 3000	18.851
140	+0.9	+3.8	1000 3000	21.807
150	+1.0	+4.2	1000 3000	25.061
170	+1.2	+5.0	1000 3000	32.247
180	+1.2	+5.0	1000 3000	36.080
200	+1.3	+5.5	1000 3000	44.524



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) light blue
---------------	--------------------------------	--------------------------------	--------------------	--------------------------

Tubes made of CENTRODAL GL / POM + PE are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTRODAL GL / POM + PE

PRODUCT INFORMATION

Trade name: CENTRODAL GL
Abbreviation: POM + PE
Designation: Polyoximethylene C + PE-UHMW
Shapes: Rods | Tubes | Plates
Colour: Light blue
Density: 1.35 g/cm³



Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) light blue
10	+0.2	+1.1	500	1000 3000	7.479
10	+0.2	+1.1	610	1000 3000	9.124
12	+0.3	+1.5	500	1000 3000	9.059
12	+0.3	+1.5	610	1000 3000	11.052
15	+0.3	+1.5	500	1000 3000	11.166
15	+0.3	+1.5	610	1000 3000	13.622
20	+0.3	+1.5	500	1000 3000	14.677
20	+0.3	+1.5	610	1000 3000	17.906
25	+0.3	+1.5	500	1000 3000	18.188
25	+0.3	+1.5	610	1000 3000	22.190
30	+0.5	+2.5	500	1000 3000	22.121
30	+0.5	+2.5	610	1000 3000	26.988
35	+0.5	+2.5	500	1000 3000	25.632
35	+0.5	+2.5	610	1000 3000	31.271
40	+0.5	+2.5	500	1000 3000	29.144
40	+0.5	+2.5	610	1000 3000	35.555
45	+0.5	+2.5	500	1000 3000	32.655
45	+0.5	+2.5	610	1000 3000	39.839
50	+0.5	+2.5	500	1000 3000	36.166
50	+0.5	+2.5	610	1000 3000	44.123
60	+0.5	+3.5	500	1000 3000	43.540
60	+0.5	+3.5	610	1000 3000	53.118
70	+0.5	+3.5	500	1000 3000	50.562
70	+0.5	+3.5	610	1000 3000	61.686
80	+0.5	+5.0	610	1000 3000	70.896
90	+0.5	+5.0	610	1000 3000	79.463
100	+0.5	+5.0	610	1000 3000	88.031

The sheets width 1000 / 1220 mm and additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)

CENTRODAL TF / POM + PTFE

PRODUCT INFORMATION

Trade name: CENTRODAL TF
Abbreviation: POM + PTFE
Designation: Polyoximethylene C + PTFE
Shapes: Rods | Tubes | Plates
Colours: Natural | Desired colours
Density: 1.52 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural
10	+0.1	+0.7	1000 3000	0.131
12	+0.2	+0.8	1000 3000	0.189
15	+0.2	+0.8	1000 3000	0.291
16	+0.2	+0.8	1000 3000	0.330
18	+0.2	+0.8	1000 3000	0.415
20	+0.2	+0.8	1000 3000	0.509
22	+0.2	+1.0	1000 3000	0.619
25	+0.2	+1.0	1000 3000	0.794
28	+0.2	+1.0	1000 3000	0.991
30	+0.2	+1.0	1000 3000	1.135
32	+0.2	+1.2	1000 3000	1.296
36	+0.2	+1.2	1000 3000	1.632
40	+0.2	+1.2	1000 3000	2.007
45	+0.3	+1.3	1000 3000	2.542
50	+0.3	+1.3	1000 3000	3.127
56	+0.3	+1.3	1000 3000	3.909
60	+0.3	+1.6	1000 3000	4.501
65	+0.3	+1.6	1000 3000	5.270
70	+0.3	+1.6	1000 3000	6.100
75	+0.4	+2.0	1000 3000	7.036
80	+0.4	+2.0	1000 3000	7.989
85	+0.5	+2.2	1000 3000	9.035
90	+0.5	+2.2	1000 3000	10.112
95	+0.6	+2.5	1000 3000	11.295
100	+0.6	+2.5	1000 3000	12.496
110	+0.7	+3.0	1000 3000	15.159
120	+0.8	+3.5	1000 3000	18.080
125	+0.8	+3.5	1000 3000	19.590
130	+0.9	+3.8	1000 3000	21.225
140	+0.9	+3.8	1000 3000	24.554
150	+1.0	+4.2	1000 3000	28.217
170	+1.2	+5.0	1000 3000	36.307
180	+1.2	+5.0	1000 3000	40.623
200	+1.3	+5.5	1000 3000	50.130



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural
---------------	--------------------------------	--------------------------------	--------------------	-----------------------

Tubes made of CENTRODAL TF / POM + PTFE are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%

CENTRODAL TF / POM + PTFE

PRODUCT INFORMATION

Trade name: CENTRODAL TF
Abbreviation: POM + PTFE
Designation: Polyoximethylene C + PTFE
Shapes: Rods | Tubes | Plates
Colours: Natural | Desired colours
Density: 1.52 g/cm³



Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural
10	+0.2	+1.1	500	1000 3000	8.421
10	+0.2	+1.1	610	1000 3000	10.273
12	+0.3	+1.5	500	1000 3000	10.200
12	+0.3	+1.5	610	1000 3000	12.444
15	+0.3	+1.5	500	1000 3000	12.572
15	+0.3	+1.5	610	1000 3000	15.338
20	+0.3	+1.5	500	1000 3000	16.525
20	+0.3	+1.5	610	1000 3000	20.161
25	+0.3	+1.5	500	1000 3000	20.479
25	+0.3	+1.5	610	1000 3000	24.984
30	+0.5	+2.5	500	1000 3000	24.907
30	+0.5	+2.5	610	1000 3000	30.386
35	+0.5	+2.5	500	1000 3000	28.860
35	+0.5	+2.5	610	1000 3000	35.209
40	+0.5	+2.5	500	1000 3000	32.813
40	+0.5	+2.5	610	1000 3000	40.032
45	+0.5	+2.5	500	1000 3000	36.767
45	+0.5	+2.5	610	1000 3000	44.856
50	+0.5	+2.5	500	1000 3000	40.720
50	+0.5	+2.5	610	1000 3000	49.679
60	+0.5	+3.5	500	1000 3000	49.022
60	+0.5	+3.5	610	1000 3000	59.807
70	+0.5	+3.5	500	1000 3000	56.929
70	+0.5	+3.5	610	1000 3000	69.454
80	+0.5	+5.0	610	1000 3000	79.824
90	+0.5	+5.0	610	1000 3000	89.470
100	+0.5	+5.0	610	1000 3000	99.116

The sheets width 1000 / 1220 mm and additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%

CENTRODAL GF / POM GF 30

PRODUCT INFORMATION

Trade name: CENTRODAL GF
Abbreviation: POM GF 30
Designation: Polyoximethylene C + 30% glass fibre
Shapes: Rods | Tubes | Plates
Colours: Natural | Black
Density: 1.60 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
10	+0.1	+0.7	1000 3000	0.138	0.138
12	+0.2	+0.8	1000 3000	0.199	0.199
15	+0.2	+0.8	1000 3000	0.306	0.306
16	+0.2	+0.8	1000 3000	0.347	0.347
18	+0.2	+0.8	1000 3000	0.437	0.437
20	+0.2	+0.8	1000 3000	0.536	0.536
22	+0.2	+1.0	1000 3000	0.651	0.651
25	+0.2	+1.0	1000 3000	0.836	0.836
28	+0.2	+1.0	1000 3000	1.043	1.043
30	+0.2	+1.0	1000 3000	1.194	1.194
32	+0.2	+1.2	1000 3000	1.364	1.364
36	+0.2	+1.2	1000 3000	1.718	1.718
40	+0.2	+1.2	1000 3000	2.113	2.113
45	+0.3	+1.3	1000 3000	2.676	2.676
50	+0.3	+1.3	1000 3000	3.292	3.292
56	+0.3	+1.3	1000 3000	4.115	4.115
60	+0.3	+1.6	1000 3000	4.738	4.738
65	+0.3	+1.6	1000 3000	5.548	5.548
70	+0.3	+1.6	1000 3000	6.421	6.421
75	+0.4	+2.0	1000 3000	7.406	7.406
80	+0.4	+2.0	1000 3000	8.410	8.410
85	+0.5	+2.2	1000 3000	9.510	9.510
90	+0.5	+2.2	1000 3000	10.644	10.644
95	+0.6	+2.5	1000 3000	11.890	11.890
100	+0.6	+2.5	1000 3000	13.153	13.153
110	+0.7	+3.0	1000 3000	15.957	15.957
120	+0.8	+3.5	1000 3000	19.031	19.031
125	+0.8	+3.5	1000 3000	20.621	20.621
130	+0.9	+3.8	1000 3000	22.342	22.342
140	+0.9	+3.8	1000 3000	25.846	25.846
150	+1.0	+4.2	1000 3000	29.702	29.702



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
---------------	--------------------------------	--------------------------------	--------------------	-----------------------	---------------------

Tubes made of CENTRODAL GF / POM GF 30 are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%

CENTRODAL GF / POM GF 30

PRODUCT INFORMATION

Trade name: CENTRODAL GF
Abbreviation: POM GF 30
Designation: Polyoximethylene C + 30% glass fibre
Shapes: Rods | Tubes | Plates
Colours: Natural | Black
Density: 1.60 g/cm³



Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
10	+0.2	+1.1	500	1000 3000	8.864	8.864
10	+0.2	+1.1	610	1000 3000	10.814	10.814
12	+0.3	+1.5	500	1000 3000	10.737	10.737
12	+0.3	+1.5	610	1000 3000	13.099	13.099
15	+0.3	+1.5	500	1000 3000	13.234	13.234
15	+0.3	+1.5	610	1000 3000	16.145	16.145
20	+0.3	+1.5	500	1000 3000	17.395	17.395
20	+0.3	+1.5	610	1000 3000	21.222	21.222
25	+0.3	+1.5	500	1000 3000	21.557	21.557
25	+0.3	+1.5	610	1000 3000	26.299	26.299
30	+0.5	+2.5	500	1000 3000	26.217	26.217
30	+0.5	+2.5	610	1000 3000	31.985	31.985
35	+0.5	+2.5	500	1000 3000	30.379	30.379
35	+0.5	+2.5	610	1000 3000	37.062	37.062
40	+0.5	+2.5	500	1000 3000	34.540	34.540
40	+0.5	+2.5	610	1000 3000	42.139	42.139
45	+0.5	+2.5	500	1000 3000	38.702	38.702
45	+0.5	+2.5	610	1000 3000	47.216	47.216
50	+0.5	+2.5	500	1000 3000	42.863	42.863
50	+0.5	+2.5	610	1000 3000	52.293	52.293

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%

CENTRODAL LF / POM LF

PRODUCT INFORMATION

Trade name: CENTRODAL LF
Abbreviation: POM LF
Designation: Polyoximethylene C electrically conductive
Shapes: Rods | Tubes | Plates
Colour: Black
Density: 1.45 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) black
10	+0.1	+0.7	1000 3000	0.125
12	+0.2	+0.8	1000 3000	0.181
15	+0.2	+0.8	1000 3000	0.278
16	+0.2	+0.8	1000 3000	0.315
18	+0.2	+0.8	1000 3000	0.396
20	+0.2	+0.8	1000 3000	0.486
22	+0.2	+1.0	1000 3000	0.590
25	+0.2	+1.0	1000 3000	0.758
28	+0.2	+1.0	1000 3000	0.945
30	+0.2	+1.0	1000 3000	1.082
32	+0.2	+1.2	1000 3000	1.236
36	+0.2	+1.2	1000 3000	1.557
40	+0.2	+1.2	1000 3000	1.915
45	+0.3	+1.3	1000 3000	2.425
50	+0.3	+1.3	1000 3000	2.983
56	+0.3	+1.3	1000 3000	3.729
60	+0.3	+1.6	1000 3000	4.294
65	+0.3	+1.6	1000 3000	5.028
70	+0.3	+1.6	1000 3000	5.819
75	+0.4	+2.0	1000 3000	6.712
80	+0.4	+2.0	1000 3000	7.621
85	+0.5	+2.2	1000 3000	8.619
90	+0.5	+2.2	1000 3000	9.646
95	+0.6	+2.5	1000 3000	10.775
100	+0.6	+2.5	1000 3000	11.920
110	+0.7	+3.0	1000 3000	14.461
120	+0.8	+3.5	1000 3000	17.247
125	+0.8	+3.5	1000 3000	18.688
130	+0.9	+3.8	1000 3000	20.248
140	+0.9	+3.8	1000 3000	23.423
150	+1.0	+4.2	1000 3000	26.917



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) black
---------------	--------------------------------	--------------------------------	--------------------	---------------------

Tubes made of CENTRODAL LF / POM LF are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTRODAL LF / POM LF

PRODUCT INFORMATION

Trade name: CENTRODAL LF
Abbreviation: POM LF
Designation: Polyoximethylene C electrically conductive
Shapes: Rods | Tubes | Plates
Colour: Black
Density: 1.45 g/cm³



Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) black
10	+0.2	+1.1	500	1000 3000	8.033
10	+0.2	+1.1	610	1000 3000	9.800
12	+0.3	+1.5	500	1000 3000	9.730
12	+0.3	+1.5	610	1000 3000	11.871
15	+0.3	+1.5	500	1000 3000	11.993
15	+0.3	+1.5	610	1000 3000	14.631
20	+0.3	+1.5	500	1000 3000	15.764
20	+0.3	+1.5	610	1000 3000	19.232
25	+0.3	+1.5	500	1000 3000	19.536
25	+0.3	+1.5	610	1000 3000	23.833
30	+0.5	+2.5	500	1000 3000	23.760
30	+0.5	+2.5	610	1000 3000	28.987
35	+0.5	+2.5	500	1000 3000	27.531
35	+0.5	+2.5	610	1000 3000	33.588
40	+0.5	+2.5	500	1000 3000	31.302
40	+0.5	+2.5	610	1000 3000	38.189
45	+0.5	+2.5	500	1000 3000	35.074
45	+0.5	+2.5	610	1000 3000	42.790
50	+0.5	+2.5	500	1000 3000	38.845
50	+0.5	+2.5	610	1000 3000	47.391
60	+0.5	+3.5	500	1000 3000	46.765
60	+0.5	+3.5	610	1000 3000	57.053
70	+0.5	+3.5	500	1000 3000	54.308
70	+0.5	+3.5	610	1000 3000	66.255
80	+0.5	+5.0	500	1000 3000	62.416
80	+0.5	+5.0	610	1000 3000	76.148
90	+0.5	+5.0	500	1000 3000	69.959
90	+0.5	+5.0	610	1000 3000	85.350
100	+0.5	+5.0	500	1000 3000	77.501
100	+0.5	+5.0	610	1000 3000	94.552

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)

CENTRODAL MD / POM MD

PRODUCT INFORMATION

Trade name: CENTRODAL MD
Abbreviation: POM MD
Designation: Polyoximethylene C magnetically detectable
Shapes: Rods | Tubes | Plates
Colour: Dark blue
Density: 1.78 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) dark blue
40	+0.2	+1.2	1000 3000	2.351
45	+0.3	+1.3	1000 3000	2.977
50	+0.3	+1.3	1000 3000	3.662
56	+0.3	+1.3	1000 3000	4.578
60	+0.3	+1.6	1000 3000	5.271
65	+0.3	+1.6	1000 3000	6.172
70	+0.3	+1.6	1000 3000	7.143
75	+0.4	+2.0	1000 3000	8.239
80	+0.4	+2.0	1000 3000	9.356
85	+0.5	+2.2	1000 3000	10.580
90	+0.5	+2.2	1000 3000	11.841
95	+0.6	+2.5	1000 3000	13.228
100	+0.6	+2.5	1000 3000	14.633
110	+0.7	+3.0	1000 3000	17.752
120	+0.8	+3.5	1000 3000	21.172
125	+0.8	+3.5	1000 3000	22.941
130	+0.9	+3.8	1000 3000	24.856
140	+0.9	+3.8	1000 3000	28.754
150	+1.0	+4.2	1000 3000	33.043



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) dark blue
---------------	--------------------------------	--------------------------------	--------------------	-------------------------

Tubes made of CENTRODAL MD / POM MD are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%

CENTRODAL MD / POM MD

PRODUCT INFORMATION

Trade name: CENTRODAL MD
Abbreviation: POM MD
Designation: Polyoximethylene C magnetically detectable
Shapes: Rods | Tubes | Plates
Colour: Dark blue
Density: 1.78 g/cm³



Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) dark blue
10	+0.2	+1.1	500	1000 3000	9.861
10	+0.2	+1.1	610	1000 3000	12.031
12	+0.3	+1.5	500	1000 3000	11.945
12	+0.3	+1.5	610	1000 3000	14.572
15	+0.3	+1.5	500	1000 3000	14.722
15	+0.3	+1.5	610	1000 3000	17.961
16	+0.3	+1.5	500	1000 3000	15.648
16	+0.3	+1.5	610	1000 3000	19.091
20	+0.3	+1.5	500	1000 3000	19.352
20	+0.3	+1.5	610	1000 3000	23.609
25	+0.3	+1.5	500	1000 3000	23.982
25	+0.3	+1.5	610	1000 3000	29.258
30	+0.5	+2.5	500	1000 3000	29.167
30	+0.5	+2.5	610	1000 3000	35.584
35	+0.5	+2.5	500	1000 3000	33.797
35	+0.5	+2.5	610	1000 3000	41.232
40	+0.5	+2.5	500	1000 3000	38.426
40	+0.5	+2.5	610	1000 3000	46.880
45	+0.5	+2.5	500	1000 3000	43.056
45	+0.5	+2.5	610	1000 3000	52.528
50	+0.5	+2.5	500	1000 3000	47.686
50	+0.5	+2.5	610	1000 3000	58.176
60	+0.5	+3.5	500	1000 3000	57.408
60	+0.5	+3.5	610	1000 3000	70.038

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%

CENTROGUARD / POM CG

PRODUCT INFORMATION

Trade name: CENTROGUARD
Abbreviation: POM CG
Designation: Polyoximethylene C
+ antimicrobial agents
Shapes: Rods | Tubes | Plates
Colour: Natural
Density: 1.41 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)		Weight (kg/m) natural
6	+0.1	+0.6	1000	3000	0.045
8	+0.1	+0.7	1000	3000	0.079
10	+0.1	+0.7	1000	3000	0.122
12	+0.2	+0.8	1000	3000	0.176
15	+0.2	+0.8	1000	3000	0.270
16	+0.2	+0.8	1000	3000	0.306
18	+0.2	+0.8	1000	3000	0.385
20	+0.2	+0.8	1000	3000	0.472
22	+0.2	+1.0	1000	3000	0.574
25	+0.2	+1.0	1000	3000	0.737
28	+0.2	+1.0	1000	3000	0.919
30	+0.2	+1.0	1000	3000	1.052
32	+0.2	+1.2	1000	3000	1.202
36	+0.2	+1.2	1000	3000	1.514
40	+0.2	+1.2	1000	3000	1.862
45	+0.3	+1.3	1000	3000	2.358
50	+0.3	+1.3	1000	3000	2.901
56	+0.3	+1.3	1000	3000	3.626
60	+0.3	+1.6	1000	3000	4.176
65	+0.3	+1.6	1000	3000	4.889
70	+0.3	+1.6	1000	3000	5.658
75	+0.4	+2.0	1000	3000	6.527
80	+0.4	+2.0	1000	3000	7.411
85	+0.5	+2.2	1000	3000	8.381
90	+0.5	+2.2	1000	3000	9.380
95	+0.6	+2.5	1000	3000	10.478
100	+0.6	+2.5	1000	3000	11.591
105	+0.7	+3.0	1000	3000	12.833
110	+0.7	+3.0	1000	3000	14.062
115	+0.8	+3.5	1000	3000	15.426
120	+0.8	+3.5	1000	3000	16.771
125	+0.8	+3.5	1000	3000	18.172
130	+0.9	+3.8	1000	3000	19.689
135	+0.9	+3.8	1000	3000	21.205
140	+0.9	+3.8	1000	3000	22.777
150	+1.0	+4.2	1000	3000	26.175
155	+1.1	+4.5	1000	3000	27.989
160	+1.1	+4.5	1000	3000	29.791
165	+1.2	+5.0	1000	3000	31.762
170	+1.2	+5.0	1000	3000	33.680
175	+1.2	+5.0	1000	3000	35.654
180	+1.2	+5.0	1000	3000	37.684
190	+1.3	+5.5	1000	3000	42.042
200	+1.3	+5.5	1000	3000	46.503
210	+1.3	+5.8	1000	3000	51.259
220	+1.3	+5.8	1000	3000	56.173
225	+1.5	+6.2	1000	3000	58.868
230	+1.5	+6.2	1000	3000	61.468
235	+1.5	+6.2	1000	3000	64.125
250	+1.5	+6.2	1000	3000	72.432
255	+1.5	+6.6	1000	3000	75.430
260	+1.5	+6.6	1000	3000	78.370
280	+1.5	+6.6	1000	3000	90.691
300	+1.5	+7.5	1000	3000	104.220

Additional dimensions are available on request.

Tolerance length: 0% to +3%

Trade name: CENTROGUARD
Abbreviation: POM CG
Designation: Polyoximethylene C
 + antimicrobial agents
Shapes: Rods | Tubes | Plates
Colour: Natural
Density: 1.41 g/cm³



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural
---------------	--------------------------------	--------------------------------	--------------------	-----------------------

Tubes made of CENTROGUARD CG / POM CG are available on request.



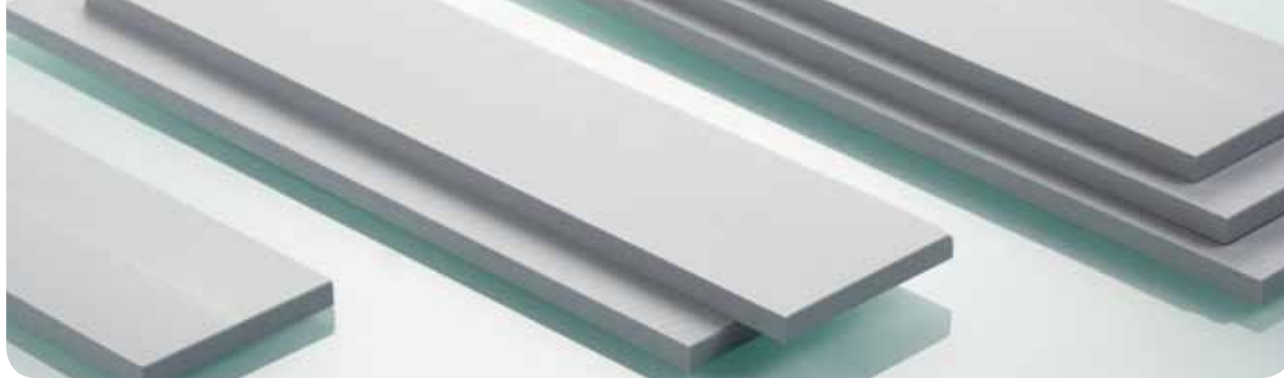
Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)		Weight (kg/m) natural
10	+0.2	+1.1	500	1000	3000	7.811
10	+0.2	+1.1	610	1000	3000	9.530
12	+0.3	+1.5	500	1000	3000	9.462
12	+0.3	+1.5	610	1000	3000	11.543
15	+0.3	+1.5	500	1000	3000	11.662
15	+0.3	+1.5	610	1000	3000	14.228
16	+0.3	+1.5	500	1000	3000	12.396
16	+0.3	+1.5	610	1000	3000	15.123
20	+0.3	+1.5	500	1000	3000	15.329
20	+0.3	+1.5	610	1000	3000	18.702
25	+0.3	+1.5	500	1000	3000	18.997
25	+0.3	+1.5	610	1000	3000	23.176
30	+0.5	+2.5	500	1000	3000	23.104
30	+0.5	+2.5	610	1000	3000	28.187
35	+0.5	+2.5	500	1000	3000	26.771
35	+0.5	+2.5	610	1000	3000	32.661
40	+0.5	+2.5	500	1000	3000	30.439
40	+0.5	+2.5	610	1000	3000	37.135
45	+0.5	+2.5	500	1000	3000	34.106
45	+0.5	+2.5	610	1000	3000	41.609
50	+0.5	+2.5	500	1000	3000	37.773
50	+0.5	+2.5	610	1000	3000	46.084
60	+0.5	+3.5	500	1000	3000	45.475
60	+0.5	+3.5	610	1000	3000	55.479
70	+0.5	+3.5	500	1000	3000	52.809
70	+0.5	+3.5	610	1000	3000	64.428
80	+0.5	+5.0	610	1000	3000	74.047
100	+0.5	+5.0	500	1000	3000	82.995
100	+0.5	+5.0	610	1000	3000	91.943

The sheets width 1000 / 1220 mm and additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%

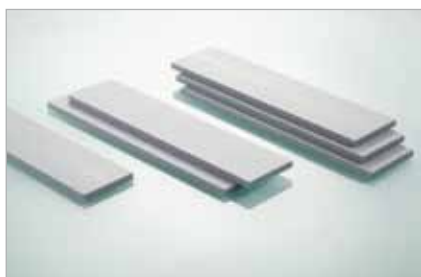




CENTROLYTE / PET

Good chemical resistance and dimensionally stable

Polyethylene terephthalate are thermoplastic processed, saturated polyester, which result from terephthalate acid and ethylene-glycol. PET-plastics contain high crystallinity and are considered a sliding material with high mechanical strength and excellent dimensional stability. They are stiff, dimensionally stable and impact resistant at low temperatures. The shape retention in heat, extends close to the melting point of 255 °C. Polyethylene terephthalate are often used as gear wheels, roller bearings or ball bearing shells in machinery construction.



Material Properties

Water absorption:	less good
Strength Hardness Toughness:	good
Temperature for usage in air:	good
Dimensional stability Heat distortion temperature:	very good
Bond-, Weld- and Machinability:	good
Acid and Chemical resistance:	good

Product Informationen

Name: Polyethylene terephthalate
Other names: Ethylenterephthalatpolymere
Abbreviation ISO 1043: PET
CAS-number: 25038-59-9
Type of polymer: Thermoplastic
Molecular Shapeula: C10H8O4

Modifications

- CENTROLYTE / PET
- CENTROLYTE FG / PET FG
- CENTROLYTE ZX / PET ZX

Field of application:

- Coil bodies
- Covers
- Precision plain bearings

CENTROLYTE / PET

PRODUCT INFORMATION

Trade name: CENTROLYTE
Abbreviation: PET
Designation: Polyethylene terephthalate
Shapes: Rods | Tubes | Sheets | Plates
Colours: Natural | Black | Desired colours
Density: 1.39 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
10	+0.1	+0.7	1000 3000	0.120	0.120
12	+0.2	+0.8	1000 3000	0.173	0.173
15	+0.2	+0.8	1000 3000	0.266	0.266
16	+0.2	+0.8	1000 3000	0.302	0.302
18	+0.2	+0.8	1000 3000	0.379	0.379
20	+0.2	+0.8	1000 3000	0.466	0.466
22	+0.2	+1.0	1000 3000	0.566	0.566
25	+0.2	+1.0	1000 3000	0.726	0.726
28	+0.2	+1.0	1000 3000	0.906	0.906
30	+0.2	+1.0	1000 3000	1.038	1.038
32	+0.2	+1.2	1000 3000	1.185	1.185
36	+0.2	+1.2	1000 3000	1.492	1.492
40	+0.2	+1.2	1000 3000	1.836	1.836
45	+0.3	+1.3	1000 3000	2.324	2.324
50	+0.3	+1.3	1000 3000	2.860	2.860
56	+0.3	+1.3	1000 3000	3.575	3.575
60	+0.3	+1.6	1000 3000	4.116	4.116
65	+0.3	+1.6	1000 3000	4.819	4.819
70	+0.3	+1.6	1000 3000	5.578	5.578
75	+0.4	+2.0	1000 3000	6.434	6.434
80	+0.4	+2.0	1000 3000	7.306	7.306
85	+0.5	+2.2	1000 3000	8.262	8.262
90	+0.5	+2.2	1000 3000	9.247	9.247
95	+0.6	+2.5	1000 3000	10.329	10.329
100	+0.6	+2.5	1000 3000	11.427	11.427
105	+0.7	+3.0	1000 3000	12.651	12.651
110	+0.7	+3.0	1000 3000	13.863	13.863
115	+0.8	+3.5	1000 3000	15.207	15.207
120	+0.8	+3.5	1000 3000	16.533	16.533
125	+0.8	+3.5	1000 3000	17.914	17.914
130	+0.9	+3.8	1000 3000	19.410	19.410
135	+0.9	+3.8	1000 3000	20.904	20.904
140	+0.9	+3.8	1000 3000	22.454	22.454
150	+1.0	+4.2	1000 3000	25.804	25.804
155	+1.1	+4.5	1000 3000	27.592	27.592
160	+1.1	+4.5	1000 3000	29.368	29.368
165	+1.2	+5.0	1000 3000	31.312	31.312
170	+1.2	+5.0	1000 3000	33.202	33.202
175	+1.2	+5.0	1000 3000	35.148	35.148
180	+1.2	+5.0	1000 3000	37.149	37.149
190	+1.3	+5.5	1000 3000	41.446	41.446
200	+1.3	+5.5	1000 3000	45.843	45.843

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

Trade name: CENTROLYTE
Abbreviation: PET
Designation: Polyethylene terephthalate
Shapes: Rods | Tubes | Sheets | Plates
Colours: Natural | Black | Desired colours
Density: 1.39 g/cm³



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
---------------	--------------------------------	--------------------------------	--------------------	-----------------------	---------------------

Tubes made of CENTROLYTE / PET are available on request.



Sheets | Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
2	-0.15	+0.15	1000	1000 2000	2.892	2.892
2.5	-0.20	+0.20	1000	1000 2000	3.615	3.615
3	-0.20	+0.20	1000	1000 2000	4.338	4.338
4	-0.20	+0.20	1000	1000 2000	5.784	5.784
5	-0.25	+0.25	1000	1000 2000	7.231	7.231
6	-0.25	+0.25	1000	1000 2000	8.677	8.677
8	+0.2	+1.1	1000	1000 2000	12.509	12.509
10	+0.2	+1.1	610	1000 3000	9.395	9.395
10	+0.2	+1.1	1000	1000 2000	15.401	15.401
12	+0.3	+1.5	610	1000 3000	11.380	11.380
12	+0.3	+1.5	1000	1000 2000	18.655	18.655
15	+0.3	+1.5	610	1000 3000	14.026	14.026
15	+0.3	+1.5	1000	1000 2000	22.993	22.993
16	+0.3	+1.5	610	1000 3000	14.908	14.908
16	+0.3	+1.5	1000	1000 2000	24.439	24.439
20	+0.3	+1.5	610	1000 3000	18.437	18.437
20	+0.3	+1.5	1000	1000 2000	30.224	30.224
25	+0.3	+1.5	610	1000 3000	22.847	22.847
25	+0.3	+1.5	1000	1000 2000	37.455	37.455
30	+0.5	+2.5	610	1000 3000	27.787	27.787
30	+0.5	+2.5	1000	1000 2000	45.553	45.553
35	+0.5	+2.5	610	1000 3000	32.198	32.198
35	+0.5	+2.5	1000	1000 2000	52.783	52.783
40	+0.5	+2.5	610	1000 3000	36.609	36.609
40	+0.5	+2.5	1000	1000 2000	60.014	60.014
45	+0.5	+2.5	610	1000 3000	41.019	41.019
45	+0.5	+2.5	1000	1000 2000	67.245	67.245
50	+0.5	+2.5	610	1000 3000	45.430	45.430
50	+0.5	+2.5	1000	1000 2000	74.475	74.475
60	+0.5	+3.5	610	1000 3000	54.692	54.692
60	+0.5	+3.5	1000	1000 2000	89.660	89.660
70	+0.5	+3.5	610	1000 3000	63.514	63.514
70	+0.5	+3.5	1000	1000 2000	104.121	104.121
80	+0.5	+5.0	610	1000 3000	72.997	72.997
80	+0.5	+5.0	1000	1000 2000	119.667	119.667
90	+0.5	+5.0	610	1000 3000	81.818	81.818
90	+0.5	+5.0	1000	1000 2000	134.128	134.128
100	+0.5	+5.0	610	1000 3000	90.639	90.639
100	+0.5	+5.0	1000	1000 2000	148.589	148.589

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)

CENTROLYTE FG / PET FG

PRODUCT INFORMATION

Trade name: CENTROLYTE FG
Abbreviation: PET FG
Designation: Polyethylene terephthalate Food Grade, according to EU-Regulation 10/2011
Shapes: Rods | Tubes | Sheets | Plates
Colour: Natural
Density: 1.39 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural
10	+0.1	+0.7	1000 3000	0.120
12	+0.2	+0.8	1000 3000	0.173
15	+0.2	+0.8	1000 3000	0.266
16	+0.2	+0.8	1000 3000	0.302
18	+0.2	+0.8	1000 3000	0.379
20	+0.2	+0.8	1000 3000	0.466
22	+0.2	+1.0	1000 3000	0.566
25	+0.2	+1.0	1000 3000	0.726
28	+0.2	+1.0	1000 3000	0.906
30	+0.2	+1.0	1000 3000	1.038
32	+0.2	+1.2	1000 3000	1.185
36	+0.2	+1.2	1000 3000	1.492
40	+0.2	+1.2	1000 3000	1.836
45	+0.3	+1.3	1000 3000	2.324
50	+0.3	+1.3	1000 3000	2.860
56	+0.3	+1.3	1000 3000	3.575
60	+0.3	+1.6	1000 3000	4.116
65	+0.3	+1.6	1000 3000	4.819
70	+0.3	+1.6	1000 3000	5.578
75	+0.4	+2.0	1000 3000	6.434
80	+0.4	+2.0	1000 3000	7.306
85	+0.5	+2.2	1000 3000	8.262
90	+0.5	+2.2	1000 3000	9.247
95	+0.6	+2.5	1000 3000	10.329
100	+0.6	+2.5	1000 3000	11.427
105	+0.7	+3.0	1000 3000	12.651
110	+0.7	+3.0	1000 3000	13.863
115	+0.8	+3.5	1000 3000	15.207
120	+0.8	+3.5	1000 3000	16.533
125	+0.8	+3.5	1000 3000	17.914
130	+0.9	+3.8	1000 3000	19.410
135	+0.9	+3.8	1000 3000	20.904
140	+0.9	+3.8	1000 3000	22.454
150	+1.0	+4.2	1000 3000	25.804
155	+1.1	+4.5	1000 3000	27.592
160	+1.1	+4.5	1000 3000	29.368
165	+1.2	+5.0	1000 3000	31.312
170	+1.2	+5.0	1000 3000	33.202
175	+1.2	+5.0	1000 3000	35.148
180	+1.2	+5.0	1000 3000	37.149
190	+1.3	+5.5	1000 3000	41.446
200	+1.3	+5.5	1000 3000	45.843

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTROLYTE FG / PET FG

PRODUCT INFORMATION

Trade name:	CENTROLYTE FG
Abbreviation:	PET FG
Designation:	Polyethylene terephthalate Food Grade, according to EU-Regulation 10/2011
Shapes:	Rods Tubes Sheets Plates
Colour:	Natural
Density:	1.39 g/cm ³

PET



Hohlstäbe

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural
---------------	--------------------------------	--------------------------------	--------------------	-----------------------

Tubes made of CENTROLYTE FG / PET FG are available on request.



Sheets | Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural
2	-0.15	+0.15	1000	1000 2000	2.892
2.5	-0.20	+0.20	1000	1000 2000	3.615
3	-0.20	+0.20	1000	1000 2000	4.338
4	-0.20	+0.20	1000	1000 2000	5.784
5	-0.25	+0.25	1000	1000 2000	7.231
6	-0.25	+0.25	1000	1000 2000	8.677
8	+0.2	+1.1	1000	1000 2000	12.509
10	+0.2	+1.1	610	1000 3000	9.395
10	+0.2	+1.1	1000	1000 2000	15.401
12	+0.3	+1.5	610	1000 3000	11.380
12	+0.3	+1.5	1000	1000 2000	18.655
15	+0.3	+1.5	610	1000 3000	14.026
15	+0.3	+1.5	1000	1000 2000	22.993
16	+0.3	+1.5	610	1000 3000	14.908
16	+0.3	+1.5	1000	1000 2000	24.439
20	+0.3	+1.5	610	1000 3000	18.437
20	+0.3	+1.5	1000	1000 2000	30.224
25	+0.3	+1.5	610	1000 3000	22.847
25	+0.3	+1.5	1000	1000 2000	37.455
30	+0.5	+2.5	610	1000 3000	27.787
30	+0.5	+2.5	1000	1000 2000	45.553
35	+0.5	+2.5	610	1000 3000	32.198
35	+0.5	+2.5	1000	1000 2000	52.783
40	+0.5	+2.5	610	1000 3000	36.609
40	+0.5	+2.5	1000	1000 2000	60.014
45	+0.5	+2.5	610	1000 3000	41.019
45	+0.5	+2.5	1000	1000 2000	67.245
50	+0.5	+2.5	610	1000 3000	45.430
50	+0.5	+2.5	1000	1000 2000	74.475
60	+0.5	+3.5	610	1000 3000	54.692
60	+0.5	+3.5	1000	1000 2000	89.660
70	+0.5	+3.5	610	1000 3000	63.514
70	+0.5	+3.5	1000	1000 2000	104.121
80	+0.5	+5.0	610	1000 3000	72.997
80	+0.5	+5.0	1000	1000 2000	119.667
90	+0.5	+5.0	610	1000 3000	81.818
90	+0.5	+5.0	1000	1000 2000	134.128
100	+0.5	+5.0	610	1000 3000	90.639
100	+0.5	+5.0	1000	1000 2000	148.589

Additional dimensions are available on request.

Tolerance length:	0% to +3%
Tolerance width:	+0.5% to +4%
	Standard item (available from stock)

CENTROLYTE ZX / PET ZX

PRODUCT INFORMATION

Trade name: CENTROLYTE ZX
Abbreviation: PET ZX
Designation: Polyethylene terephthalate with lubricant
Shapes: Rods | Tubes | Sheets | Plates
Colour: Light grey
Density: 1.45 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) light grey
10	+0.1	+0.7	1000 3000	0.125
12	+0.2	+0.8	1000 3000	0.181
15	+0.2	+0.8	1000 3000	0.278
16	+0.2	+0.8	1000 3000	0.315
18	+0.2	+0.8	1000 3000	0.396
20	+0.2	+0.8	1000 3000	0.486
22	+0.2	+1.0	1000 3000	0.590
25	+0.2	+1.0	1000 3000	0.758
28	+0.2	+1.0	1000 3000	0.945
30	+0.2	+1.0	1000 3000	1.082
32	+0.2	+1.2	1000 3000	1.236
36	+0.2	+1.2	1000 3000	1.557
40	+0.2	+1.2	1000 3000	1.915
45	+0.3	+1.3	1000 3000	2.425
50	+0.3	+1.3	1000 3000	2.983
56	+0.3	+1.3	1000 3000	3.729
60	+0.3	+1.6	1000 3000	4.294
65	+0.3	+1.6	1000 3000	5.028
70	+0.3	+1.6	1000 3000	5.819
75	+0.4	+2.0	1000 3000	6.712
80	+0.4	+2.0	1000 3000	7.621
85	+0.5	+2.2	1000 3000	8.619
90	+0.5	+2.2	1000 3000	9.646
95	+0.6	+2.5	1000 3000	10.775
100	+0.6	+2.5	1000 3000	11.920
110	+0.7	+3.0	1000 3000	14.461
120	+0.8	+3.5	1000 3000	17.247
125	+0.8	+3.5	1000 3000	18.688
130	+0.9	+3.8	1000 3000	20.248
140	+0.9	+3.8	1000 3000	23.423
150	+1.0	+4.2	1000 3000	26.917
170	+1.2	+5.0	1000 3000	34.635
180	+1.2	+5.0	1000 3000	38.753
200	+1.3	+5.5	1000 3000	47.822



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) light grey
---------------	--------------------------------	--------------------------------	--------------------	--------------------------

Tubes made of CENTROLYTE ZX / PET ZX are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTROLYTE ZX / PET ZX

PRODUCT INFORMATION

Trade name: CENTROLYTE ZX
Abbreviation: PET ZX
Designation: Polyethylene terephthalate with lubricant
Shapes: Rods | Tubes | Sheets | Plates
Colour: Light grey
Density: 1.45 g/cm³

PET



Sheets | Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) light grey
10	+0.2	+1.1	610	1000 3000	9.800
10	+0.2	+1.1	1000	1000 2000	16.066
12	+0.3	+1.5	610	1000 3000	11.871
12	+0.3	+1.5	1000	1000 2000	19.460
15	+0.3	+1.5	610	1000 3000	14.631
15	+0.3	+1.5	1000	1000 2000	23.986
16	+0.3	+1.5	610	1000 3000	15.552
16	+0.3	+1.5	1000	1000 2000	25.494
20	+0.3	+1.5	610	1000 3000	19.232
20	+0.3	+1.5	1000	1000 2000	31.529
25	+0.3	+1.5	610	1000 3000	23.833
25	+0.3	+1.5	1000	1000 2000	39.071
30	+0.5	+2.5	610	1000 3000	28.987
30	+0.5	+2.5	1000	1000 2000	47.519
35	+0.5	+2.5	610	1000 3000	33.588
35	+0.5	+2.5	1000	1000 2000	55.062
40	+0.5	+2.5	610	1000 3000	38.189
40	+0.5	+2.5	1000	1000 2000	62.605
45	+0.5	+2.5	610	1000 3000	42.790
45	+0.5	+2.5	1000	1000 2000	70.147
50	+0.5	+2.5	610	1000 3000	47.391
50	+0.5	+2.5	1000	1000 2000	77.690
60	+0.5	+3.5	610	1000 3000	57.053
60	+0.5	+3.5	1000	1000 2000	93.530
70	+0.5	+3.5	610	1000 3000	66.255
70	+0.5	+3.5	1000	1000 2000	108.615
80	+0.5	+5.0	610	1000 3000	76.148
80	+0.5	+5.0	1000	1000 2000	124.832
90	+0.5	+5.0	610	1000 3000	85.350
90	+0.5	+5.0	1000	1000 2000	139.917
100	+0.5	+5.0	610	1000 3000	94.552
100	+0.5	+5.0	1000	1000 2000	155.003

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)





CENTROMID / PA

High impact resistance, bondable and weldable

Polyamides are semi-crystalline thermoplastics, which are mainly formed through poly condensation. They belong to the amino carbon acid group. The numbers of the abbreviations indicate the number of C-atoms of the basic molecular structure. The high ability to absorb moisture gives the PA-plastic a tough and rigid condition, which is noticeable through high impact resistance, high abrasion ability and excellent sliding ability. Polyamides are well suited as bearing materials due to their excellent sliding and emergency operating features.



Material Properties

Water absorption:	very good
Strength Hardness Toughness:	good
Temperature for usage in air:	good
Dimensional stability Heat distortion temperature:	less good
Bond-, Weld- and Machinability:	good
Acid and Chemical resistance:	good

Product Informationen

Name: Polyamide
Other names: Nylon
Abbreviation ISO 1043: PA
CAS-number: 25038-54-4
Type of polymer: Thermoplastic
Molecular Shapeula: C6H11NO

Modifications

- CENTROMID 6 E / PA 6 E
- CENTROMID 6 E FG / PA 6 E FG
- CENTROMID 6 G / PA 6 CAST
- CENTROMID 6 GF / PA 6 GF 30
- CENTROMID 6.6 / PA 6.6
- CENTROMID 6.6 FG / PA 6.6 FG
- CENTROMID 6.6 GL / PA 6.6 + PE
- CENTROMID 6.6 GF / PA 6.6 GF 30
- CENTROMID 12 / PA 12
- CENTROMID 12 GF / PA 12 GF 30
- CENTROMID 12 W / PA 12 soft
- CENTROMID 12 LE W / PA 12 LE soft

Field of application:

- Cases and housing
- Distance pieces
- Drive parts
- Flanges
- Hammerheads
- Precision elements
- Rollers
- Rope pulleys
- Sealing rings
- Sleeves
- Threaded bolts
- Toothed gears

CENTROMID 6 E / PA 6 E

PRODUCT INFORMATION

Trade name: CENTROMID 6 E
Abbreviation: PA 6 E
Designation: Polyamide 6 extruded
Shapes: Rods | Tubes | Films | Sheets | Plates
Colours: Natural | Black | Desired colours
Density: 1.14 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
5	+0.1	+0.6	1000 3000	0.026	0.026
6	+0.1	+0.6	1000 3000	0.037	0.037
8	+0.1	+0.7	1000 3000	0.064	0.064
10	+0.1	+0.7	1000 3000	0.098	0.098
12	+0.2	+0.8	1000 3000	0.142	0.142
15	+0.2	+0.8	1000 3000	0.218	0.218
16	+0.2	+0.8	1000 3000	0.247	0.247
18	+0.2	+0.8	1000 3000	0.311	0.311
20	+0.2	+0.8	1000 3000	0.382	0.382
22	+0.2	+1.0	1000 3000	0.464	0.464
25	+0.2	+1.0	1000 3000	0.596	0.596
28	+0.2	+1.0	1000 3000	0.743	0.743
30	+0.2	+1.0	1000 3000	0.851	0.851
32	+0.2	+1.2	1000 3000	0.972	0.972
36	+0.2	+1.2	1000 3000	1.224	1.224
40	+0.2	+1.2	1000 3000	1.505	1.505
45	+0.3	+1.3	1000 3000	1.906	1.906
50	+0.3	+1.3	1000 3000	2.345	2.345
56	+0.3	+1.3	1000 3000	2.932	2.932
60	+0.3	+1.6	1000 3000	3.376	3.376
65	+0.3	+1.6	1000 3000	3.953	3.953
70	+0.3	+1.6	1000 3000	4.575	4.575
75	+0.4	+2.0	1000 3000	5.277	5.277
80	+0.4	+2.0	1000 3000	5.992	5.992
85	+0.5	+2.2	1000 3000	6.776	6.776
90	+0.5	+2.2	1000 3000	7.584	7.584
95	+0.6	+2.5	1000 3000	8.472	8.472
100	+0.6	+2.5	1000 3000	9.372	9.372
105	+0.7	+3.0	1000 3000	10.376	10.376
110	+0.7	+3.0	1000 3000	11.369	11.369
115	+0.8	+3.5	1000 3000	12.472	12.472
120	+0.8	+3.5	1000 3000	13.560	13.560
125	+0.8	+3.5	1000 3000	14.692	14.692
130	+0.9	+3.8	1000 3000	15.919	15.919
135	+0.9	+3.8	1000 3000	17.144	17.144
140	+0.9	+3.8	1000 3000	18.415	18.415
150	+1.0	+4.2	1000 3000	21.163	21.163
155	+1.1	+4.5	1000 3000	22.629	22.629
160	+1.1	+4.5	1000 3000	24.086	24.086
165	+1.2	+5.0	1000 3000	25.680	25.680
170	+1.2	+5.0	1000 3000	27.230	27.230
175	+1.2	+5.0	1000 3000	28.826	28.826
180	+1.2	+5.0	1000 3000	30.468	30.468
190	+1.3	+5.5	1000 3000	33.992	33.992
200	+1.3	+5.5	1000 3000	37.598	37.598

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTROMID 6 E / PA 6 E

PRODUCT INFORMATION

Trade name: CENTROMID 6 E
Abbreviation: PA 6 E
Designation: Polyamide 6 extruded
Shapes: Rods | Tubes | Films | Sheets | Plates
Colours: Natural | Black | Desired colours
Density: 1.14 g/cm³



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
---------------	--------------------------------	--------------------------------	--------------------	-----------------------	---------------------

Tubes made of CENTROMID 6 E / PA 6 E are available on request.



Films | Sheets | Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
0.3*	-0.10	+0.10	1000	1000 2000	0.356	0.356
0.5*	-0.10	+0.10	1000	1000 2000	0.593	0.593
0.8*	-0.10	+0.10	1000	1000 2000	0.949	0.949
1.0	-0.10	+0.10	1000	1000 2000	1.186	1.186
1.5	-0.15	+0.15	1000	1000 2000	1.779	1.779
2.0	-0.15	+0.15	1000	1000 2000	2.372	2.372
2.5	-0.20	+0.20	1000	1000 2000	2.965	2.965
3	-0.20	+0.20	1000	1000 2000	3.558	3.558
4	-0.20	+0.20	1000	1000 2000	4.744	4.744
5	-0.25	+0.25	1000	1000 2000	5.930	5.930
6	-0.25	+0.25	1000	1000 2000	7.116	7.116
8	+0.2	+1.1	1000	1000 2000	10.259	10.259
10	+0.2	+1.1	500	1000 3000	6.316	6.316
10	+0.2	+1.1	610	1000 3000	7.705	7.705
12	+0.3	+1.5	500	1000 3000	7.650	7.650
12	+0.3	+1.5	610	1000 3000	9.333	9.333
15	+0.3	+1.5	500	1000 3000	9.429	9.429
15	+0.3	+1.5	610	1000 3000	11.503	11.503
20	+0.3	+1.5	500	1000 3000	12.394	12.394
20	+0.3	+1.5	610	1000 3000	15.121	15.121
25	+0.3	+1.5	500	1000 3000	15.359	15.359
25	+0.3	+1.5	610	1000 3000	18.738	18.738
30	+0.5	+2.5	500	1000 3000	18.680	18.680
30	+0.5	+2.5	610	1000 3000	22.790	22.790
35	+0.5	+2.5	500	1000 3000	21.645	21.645
35	+0.5	+2.5	610	1000 3000	26.407	26.407
40	+0.5	+2.5	500	1000 3000	24.610	24.610
40	+0.5	+2.5	610	1000 3000	30.024	30.024
45	+0.5	+2.5	500	1000 3000	27.575	27.575
45	+0.5	+2.5	610	1000 3000	33.642	33.642
50	+0.5	+2.5	500	1000 3000	30.540	30.540
50	+0.5	+2.5	610	1000 3000	37.259	37.259
60	+0.5	+3.5	500	1000 3000	36.767	36.767
60	+0.5	+3.5	610	1000 3000	44.856	44.856
70	+0.5	+3.5	500	1000 3000	42.697	42.697
70	+0.5	+3.5	610	1000 3000	52.090	52.090
80	+0.5	+5.0	610	1000 3000	59.868	59.868
90	+0.5	+5.0	610	1000 3000	67.102	67.102
100	+0.5	+5.0	610	1000 3000	74.337	74.337

Additional dimensions are available on request.

Tolerance length: 0% to +3%

Tolerance width: +0.5% to +4%

Standard item (available from stock)

* Continuous rolls (ID 76 mm)

CENTROMID 6 E FG / PA 6 E FG

PRODUCT INFORMATION

Trade name: CENTROMID 6 E FG
Abbreviation: PA 6 E FG
Designation: Polyamide Food Grade,
 according to EU-Regulation 10/2011
Shapes: Rods | Tubes | Films | Sheets | Plates
Colour: Natural
Density: 1.14 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural
6	+0.1	+0.6	1000 3000	0.037
8	+0.1	+0.7	1000 3000	0.064
10	+0.1	+0.7	1000 3000	0.098
12	+0.2	+0.8	1000 3000	0.142
15	+0.2	+0.8	1000 3000	0.218
16	+0.2	+0.8	1000 3000	0.247
18	+0.2	+0.8	1000 3000	0.311
20	+0.2	+0.8	1000 3000	0.382
22	+0.2	+1.0	1000 3000	0.464
25	+0.2	+1.0	1000 3000	0.596
28	+0.2	+1.0	1000 3000	0.743
30	+0.2	+1.0	1000 3000	0.851
32	+0.2	+1.2	1000 3000	0.972
36	+0.2	+1.2	1000 3000	1.224
40	+0.2	+1.2	1000 3000	1.505
45	+0.3	+1.3	1000 3000	1.906
50	+0.3	+1.3	1000 3000	2.345
56	+0.3	+1.3	1000 3000	2.932
60	+0.3	+1.6	1000 3000	3.376
65	+0.3	+1.6	1000 3000	3.953
70	+0.3	+1.6	1000 3000	4.575
75	+0.4	+2.0	1000 3000	5.277
80	+0.4	+2.0	1000 3000	5.992
85	+0.5	+2.2	1000 3000	6.776
90	+0.5	+2.2	1000 3000	7.584
95	+0.6	+2.5	1000 3000	8.472
100	+0.6	+2.5	1000 3000	9.372
105	+0.7	+3.0	1000 3000	10.376
110	+0.7	+3.0	1000 3000	11.369
115	+0.8	+3.5	1000 3000	12.472
120	+0.8	+3.5	1000 3000	13.560
125	+0.8	+3.5	1000 3000	14.692
130	+0.9	+3.8	1000 3000	15.919
135	+0.9	+3.8	1000 3000	17.144
140	+0.9	+3.8	1000 3000	18.415
150	+1.0	+4.2	1000 3000	21.163
155	+1.1	+4.5	1000 3000	22.629
160	+1.1	+4.5	1000 3000	24.086
165	+1.2	+5.0	1000 3000	25.680
170	+1.2	+5.0	1000 3000	27.230
175	+1.2	+5.0	1000 3000	28.826
180	+1.2	+5.0	1000 3000	30.468
190	+1.3	+5.5	1000 3000	33.992
200	+1.3	+5.5	1000 3000	37.598

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTROMID 6 E FG / PA 6 E FG

PRODUCT INFORMATION

Trade name: CENTROMID 6 E FG
Abbreviation: PA 6 E FG
Designation: Polyamide 6 E Food Grade, according to EU-Regulation 10/2011
Shapes: Rods | Tubes | Films | Sheets | Plates
Colour: Natural
Density: 1.14 g/cm³



Tubes

Diameter (mm)	Tolerance outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural
---------------	-------------------------------	--------------------------------	--------------------	-----------------------

Tubes made of CENTROMID 6 E FG / PA 6 E FG are available on request.



Films | Sheets | Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural
0.3*	-0.10	+0.10	1000	1000 2000	0.356
0.5*	-0.10	+0.10	1000	1000 2000	0.593
0.8*	-0.10	+0.10	1000	1000 2000	0.949
1.0	-0.10	+0.10	1000	1000 2000	1.186
1.5	-0.15	+0.15	1000	1000 2000	1.779
2.0	-0.15	+0.15	1000	1000 2000	2.372
2.5	-0.20	+0.20	1000	1000 2000	2.965
3	-0.20	+0.20	1000	1000 2000	3.558
4	-0.20	+0.20	1000	1000 2000	4.744
5	-0.25	+0.25	1000	1000 2000	5.930
6	-0.25	+0.25	1000	1000 2000	7.116
8	+0.2	+1.1	1000	1000 2000	10.259
10	+0.2	+1.1	500	1000 3000	6.316
10	+0.2	+1.1	610	1000 3000	7.705
12	+0.3	+1.5	500	1000 3000	7.650
12	+0.3	+1.5	610	1000 3000	9.333
15	+0.3	+1.5	500	1000 3000	9.429
15	+0.3	+1.5	610	1000 3000	11.503
20	+0.3	+1.5	500	1000 3000	12.394
20	+0.3	+1.5	610	1000 3000	15.121
25	+0.3	+1.5	500	1000 3000	15.359
25	+0.3	+1.5	610	1000 3000	18.738
30	+0.5	+2.5	500	1000 3000	18.680
30	+0.5	+2.5	610	1000 3000	22.790
35	+0.5	+2.5	500	1000 3000	21.645
35	+0.5	+2.5	610	1000 3000	26.407
40	+0.5	+2.5	500	1000 3000	24.610
40	+0.5	+2.5	610	1000 3000	30.024
45	+0.5	+2.5	500	1000 3000	27.575
45	+0.5	+2.5	610	1000 3000	33.642
50	+0.5	+2.5	500	1000 3000	30.540
50	+0.5	+2.5	610	1000 3000	37.259
60	+0.5	+3.5	500	1000 3000	36.767
60	+0.5	+3.5	610	1000 3000	44.856
70	+0.5	+3.5	500	1000 3000	42.697
70	+0.5	+3.5	610	1000 3000	52.090
80	+0.5	+5.0	610	1000 3000	59.868
90	+0.5	+5.0	610	1000 3000	67.102
100	+0.5	+5.0	610	1000 3000	74.337

Additional dimensions are available on request.

Tolerance length: 0% to +3%

Tolerance width: +0.5% to +4%

Standard item (available from stock)

* Continuous rolls (ID 76 mm)

CENTROMID 6 G / PA 6 CAST

PRODUCT INFORMATION

Trade name: CENTROMID 6 G
Abbreviation: PA 6 Cast
Designation: Polyamide 6 Cast
Shapes: Rods | Tubes | Sheets
Colours: Natural | Black
Density: 1.15 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
50	+0.3	+1.9	1000 3000	2.406	2.406
56	+0.3	+1.9	1000 3000	3.004	3.004
60	+0.3	+2.5	1000 3000	3.473	3.473
65	+0.3	+2.5	1000 3000	4.062	4.062
70	+0.3	+2.5	1000 3000	4.697	4.697
75	+0.4	+2.8	1000 3000	5.406	5.406
80	+0.4	+2.8	1000 3000	6.135	6.135
85	+0.5	+3.2	1000 3000	6.950	6.950
90	+0.5	+3.2	1000 3000	7.773	7.773
95	+0.6	+3.5	1000 3000	8.678	8.678
100	+0.6	+3.5	1000 3000	9.595	9.595
110	+0.7	+3.9	1000 3000	11.619	11.619
120	+0.8	+4.3	1000 3000	13.837	13.837
125	+0.8	+4.3	1000 3000	14.989	14.989
130	+0.8	+5.0	1000 3000	16.273	16.273
140	+0.8	+5.0	1000 3000	18.814	18.814
150	+0.8	+5.3	1000 3000	21.582	21.582
160	+0.8	+6.0	1000	24.967	24.967
170	+1.0	+6.5	1000	28.091	28.091
180	+1.0	+6.5	1000	31.418	31.418
190	+1.0	+7.5	1000	34.938	34.938
200	+1.0	+7.5	1000	38.628	38.628
210	+1.0	+8.5	1000	43.124	43.124
220	+1.0	+8.5	1000	47.234	47.234
230	+1.0	+9.5	1000	51.497	51.497
240	+1.0	+9.5	1000	55.968	55.968
250	+1.0	+9.5	1000	60.625	60.625
260	+1.0	+11.0	1000	65.190	65.190
270	+1.0	+11.0	1000	70.184	70.184
280	+1.0	+11.0	1000	75.362	75.362
300	+1.5	+12.0	1000	86.694	86.694
325	+1.5	+13.5	1000	101.860	101.860
350	+1.5	+13.5	1000	117.753	117.753
375	+1.5	+15.0	1000	138.020	138.020
400	+1.5	+15.0	1000	153.558	153.558
450	+1.5	+16.5	1000	194.109	194.109
500	+1.5	+18.0	1000	239.406	239.406



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
---------------	--------------------------------	--------------------------------	--------------------	-----------------------	---------------------

Tubes made of CENTROMID 6 G / PA 6 Cast are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTROMID 6 G / PA 6 CAST

PRODUCT INFORMATION

Trade name: CENTROMID 6 G
Abbreviation: PA 6 Cast
Designation: Polyamide 6 Cast
Shapes: Rods | Tubes | Sheets
Colours: Natural | Black
Density: 1.15 g/cm³



Sheets

PA

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
10	+0.2	+1.5	1000	2000	13.532	13.532
10	+0.2	+1.5	1220	2000	16.588	16.588
12	+0.3	+2.5	1000	2000	15.993	15.993
12	+0.3	+2.5	1220	2000	19.512	19.512
16	+0.3	+2.5	1000	2000	20.767	20.767
16	+0.3	+2.5	1220	2000	25.336	25.336
20	+0.3	+2.5	1000	2000	25.541	25.541
20	+0.3	+2.5	1220	2000	31.160	31.160
25	+0.3	+2.5	1000	2000	31.509	31.509
25	+0.3	+2.5	1220	2000	38.441	38.441
30	+0.5	+3.5	1000	2000	38.192	38.192
30	+0.5	+3.5	1220	2000	46.595	46.595
35	+0.5	+3.5	1000	2000	44.160	44.160
35	+0.5	+3.5	1220	2000	53.875	53.875
40	+0.5	+3.5	1000	2000	50.128	50.128
40	+0.5	+3.5	1220	2000	61.156	61.156
45	+0.5	+3.5	1000	2000	56.095	56.095
45	+0.5	+3.5	1220	2000	68.436	68.436
50	+0.5	+3.5	1000	2000	62.063	62.063
50	+0.5	+3.5	1220	2000	75.716	75.716
60	+0.5	+5.0	1000	2000	74.893	74.893
60	+0.5	+5.0	1220	2000	91.369	91.369
70	+0.5	+5.0	1000	2000	86.828	86.828
70	+0.5	+5.0	1220	2000	105.930	105.930
80	+0.5	+7.0	1000	2000	99.957	99.957
80	+0.5	+7.0	1220	2000	121.947	121.947
90	+0.5	+7.0	1000	2000	111.892	111.892
90	+0.5	+7.0	1220	2000	136.508	136.508
100	+0.5	+7.0	1000	2000	123.827	123.827
100	+0.5	+7.0	1220	2000	151.069	151.069

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: 0% to +3%
 Standard item (available from stock)

CENTROMID 6 GF / PA 6 GF 30

PRODUCT INFORMATION

Trade name: CENTROMID 6 GF
Abbreviation: PA 6 GF 30
Designation: Polyamide 6 E + 30% glass fibre
Shapes: Rods | Tubes | Plates
Colour: Black
Density: 1.34 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) black
10	+0.1	+0.7	1000 3000	0.116
12	+0.2	+0.8	1000 3000	0.167
15	+0.2	+0.8	1000 3000	0.257
16	+0.2	+0.8	1000 3000	0.291
18	+0.2	+0.8	1000 3000	0.366
20	+0.2	+0.8	1000 3000	0.449
22	+0.2	+1.0	1000 3000	0.546
25	+0.2	+1.0	1000 3000	0.700
28	+0.2	+1.0	1000 3000	0.874
30	+0.2	+1.0	1000 3000	1.000
32	+0.2	+1.2	1000 3000	1.142
36	+0.2	+1.2	1000 3000	1.439
40	+0.2	+1.2	1000 3000	1.769
45	+0.3	+1.3	1000 3000	2.241
50	+0.3	+1.3	1000 3000	2.757
56	+0.3	+1.3	1000 3000	3.446
60	+0.3	+1.6	1000 3000	3.968
65	+0.3	+1.6	1000 3000	4.646
70	+0.3	+1.6	1000 3000	5.377
75	+0.4	+2.0	1000 3000	6.203
80	+0.4	+2.0	1000 3000	7.043
85	+0.5	+2.2	1000 3000	7.965
90	+0.5	+2.2	1000 3000	8.914
95	+0.6	+2.5	1000 3000	9.958
100	+0.6	+2.5	1000 3000	11.016
110	+0.7	+3.0	1000 3000	13.364
120	+0.8	+3.5	1000 3000	15.939
125	+0.8	+3.5	1000 3000	17.270
130	+0.9	+3.8	1000 3000	18.712
140	+0.9	+3.8	1000 3000	21.646
150	+1.0	+4.2	1000 3000	24.875



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) black
---------------	--------------------------------	--------------------------------	--------------------	---------------------

Tubes made of CENTROMID 6 GF / PA 6 GF 30 are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTROMID 6 GF / PA 6 GF 30

PRODUCT INFORMATION

Trade name: CENTROMID 6 GF
Abbreviation: PA 6 GF 30
Designation: Polyamide 6 E + 30% glass fibre
Shapes: Rods | Tubes | Plates
Colour: Black
Density: 1.34 g/cm³



Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) black
10	+0.2	+1.1	500	1000 3000	7.424
10	+0.2	+1.1	610	1000 3000	9.057
12	+0.3	+1.5	500	1000 3000	8.992
12	+0.3	+1.5	610	1000 3000	10.970
15	+0.3	+1.5	500	1000 3000	11.083
15	+0.3	+1.5	610	1000 3000	13.521
20	+0.3	+1.5	500	1000 3000	14.568
20	+0.3	+1.5	610	1000 3000	17.773
25	+0.3	+1.5	500	1000 3000	18.054
25	+0.3	+1.5	610	1000 3000	22.025
30	+0.5	+2.5	500	1000 3000	21.957
30	+0.5	+2.5	610	1000 3000	26.788
35	+0.5	+2.5	500	1000 3000	25.442
35	+0.5	+2.5	610	1000 3000	31.040
40	+0.5	+2.5	500	1000 3000	28.928
40	+0.5	+2.5	610	1000 3000	35.292
45	+0.5	+2.5	500	1000 3000	32.413
45	+0.5	+2.5	610	1000 3000	39.544
50	+0.5	+2.5	500	1000 3000	35.898
50	+0.5	+2.5	610	1000 3000	43.796
60	+0.5	+3.5	500	1000 3000	43.217
60	+0.5	+3.5	610	1000 3000	52.725

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)

CENTROMID 6.6 / PA 6.6

PRODUCT INFORMATION

Trade name: CENTROMID 6.6
Abbreviation: PA 6.6
Designation: Polyamide 6.6
Shapes: Rods | Tubes | Sheets | Plates
Colours: Natural | Black | Desired colours
Density: 1.14 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
10	+0.1	+0.7	1000 3000	0.098	0.098
12	+0.2	+0.8	1000 3000	0.142	0.142
15	+0.2	+0.8	1000 3000	0.218	0.218
16	+0.2	+0.8	1000 3000	0.247	0.247
18	+0.2	+0.8	1000 3000	0.311	0.311
20	+0.2	+0.8	1000 3000	0.382	0.382
22	+0.2	+1.0	1000 3000	0.464	0.464
25	+0.2	+1.0	1000 3000	0.596	0.596
28	+0.2	+1.0	1000 3000	0.743	0.743
30	+0.2	+1.0	1000 3000	0.851	0.851
32	+0.2	+1.2	1000 3000	0.972	0.972
36	+0.2	+1.2	1000 3000	1.224	1.224
40	+0.2	+1.2	1000 3000	1.505	1.505
45	+0.3	+1.3	1000 3000	1.906	1.906
50	+0.3	+1.3	1000 3000	2.345	2.345
56	+0.3	+1.3	1000 3000	2.932	2.932
60	+0.3	+1.6	1000 3000	3.376	3.376
65	+0.3	+1.6	1000 3000	3.953	3.953
70	+0.3	+1.6	1000 3000	4.575	4.575
75	+0.4	+2.0	1000 3000	5.277	5.277
80	+0.4	+2.0	1000 3000	5.992	5.992
85	+0.5	+2.2	1000 3000	6.776	6.776
90	+0.5	+2.2	1000 3000	7.584	7.584
95	+0.6	+2.5	1000 3000	8.472	8.472
100	+0.6	+2.5	1000 3000	9.372	9.372
105	+0.7	+3.0	1000 3000	10.376	10.376
110	+0.7	+3.0	1000 3000	11.369	11.369
115	+0.8	+3.5	1000 3000	12.472	12.472
120	+0.8	+3.5	1000 3000	13.560	13.560
125	+0.8	+3.5	1000 3000	14.692	14.692
130	+0.9	+3.8	1000 3000	15.919	15.919
135	+0.9	+3.8	1000 3000	17.144	17.144
140	+0.9	+3.8	1000 3000	18.415	18.415
150	+1.0	+4.2	1000 3000	21.163	21.163
155	+1.1	+4.5	1000 3000	22.629	22.629
160	+1.1	+4.5	1000 3000	24.086	24.086
165	+1.2	+5.0	1000 3000	25.680	25.680
170	+1.2	+5.0	1000 3000	27.230	27.230
175	+1.2	+5.0	1000 3000	28.826	28.826
180	+1.2	+5.0	1000 3000	30.468	30.468
190	+1.3	+5.5	1000 3000	33.992	33.992
200	+1.3	+5.5	1000 3000	37.598	37.598

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTROMID 6.6 / PA 6.6

PRODUCT INFORMATION

Trade name: CENTROMID 6.6
Abbreviation: PA 6.6
Designation: Polyamide 6.6
Shapes: Rods | Tubes | Sheets | Plates
Colours: Natural | Black | Desired colours
Density: 1.14 g/cm³



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
---------------	--------------------------------	--------------------------------	--------------------	-----------------------	---------------------

Tubes made of CENTROMID 6.6 / PA 6.6 are available on request.



Sheets | Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
2	-0.15	+0.15	1000	1000 2000	2.372	2.372
2.5	-0.20	+0.20	1000	1000 2000	2.965	2.965
3	-0.20	+0.20	1000	1000 2000	3.558	3.558
4	-0.20	+0.20	1000	1000 2000	4.744	4.744
5	-0.25	+0.25	1000	1000 2000	5.930	5.930
6	-0.25	+0.25	1000	1000 2000	7.116	7.116
8	+0.2	+1.1	1000	1000 2000	10.259	10.259
10	+0.2	+1.1	500	1000 3000	6.316	6.316
10	+0.2	+1.1	610	1000 3000	7.705	7.705
12	+0.3	+1.5	500	1000 3000	7.650	7.650
12	+0.3	+1.5	610	1000 3000	9.333	9.333
15	+0.3	+1.5	500	1000 3000	9.429	9.429
15	+0.3	+1.5	610	1000 3000	11.503	11.503
20	+0.3	+1.5	500	1000 3000	12.394	12.394
20	+0.3	+1.5	610	1000 3000	15.121	15.121
25	+0.3	+1.5	500	1000 3000	15.359	15.359
25	+0.3	+1.5	610	1000 3000	18.738	18.738
30	+0.5	+2.5	500	1000 3000	18.680	18.680
30	+0.5	+2.5	610	1000 3000	22.790	22.790
35	+0.5	+2.5	500	1000 3000	21.645	21.645
35	+0.5	+2.5	610	1000 3000	26.407	26.407
40	+0.5	+2.5	500	1000 3000	24.610	24.610
40	+0.5	+2.5	610	1000 3000	30.024	30.024
45	+0.5	+2.5	500	1000 3000	27.575	27.575
45	+0.5	+2.5	610	1000 3000	33.642	33.642
50	+0.5	+2.5	500	1000 3000	30.540	30.540
50	+0.5	+2.5	610	1000 3000	37.259	37.259
60	+0.5	+3.5	500	1000 3000	36.767	36.767
60	+0.5	+3.5	610	1000 3000	44.856	44.856

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)

CENTROMID 6.6 FG / PA 6.6 FG

PRODUCT INFORMATION

Trade name: CENTROMID 6.6 FG
Abbreviation: PA 6.6 FG
Designation: Polyamide 6.6 Food Grade, according to EU-Regulation 10/2011
Shapes: Rods | Tubes | Sheets | Plates
Colour: Natural
Density: 1.14 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural
10	+0.1	+0.7	1000 3000	0.098
12	+0.2	+0.8	1000 3000	0.142
15	+0.2	+0.8	1000 3000	0.218
16	+0.2	+0.8	1000 3000	0.247
18	+0.2	+0.8	1000 3000	0.311
20	+0.2	+0.8	1000 3000	0.382
22	+0.2	+1.0	1000 3000	0.464
25	+0.2	+1.0	1000 3000	0.596
28	+0.2	+1.0	1000 3000	0.743
30	+0.2	+1.0	1000 3000	0.851
32	+0.2	+1.2	1000 3000	0.972
36	+0.2	+1.2	1000 3000	1.224
40	+0.2	+1.2	1000 3000	1.505
45	+0.3	+1.3	1000 3000	1.906
50	+0.3	+1.3	1000 3000	2.345
56	+0.3	+1.3	1000 3000	2.932
60	+0.3	+1.6	1000 3000	3.376
65	+0.3	+1.6	1000 3000	3.953
70	+0.3	+1.6	1000 3000	4.575
75	+0.4	+2.0	1000 3000	5.277
80	+0.4	+2.0	1000 3000	5.992
85	+0.5	+2.2	1000 3000	6.776
90	+0.5	+2.2	1000 3000	7.584
95	+0.6	+2.5	1000 3000	8.472
100	+0.6	+2.5	1000 3000	9.372
105	+0.7	+3.0	1000 3000	10.376
110	+0.7	+3.0	1000 3000	11.369
115	+0.8	+3.5	1000 3000	12.472
120	+0.8	+3.5	1000 3000	13.560
125	+0.8	+3.5	1000 3000	14.692
130	+0.9	+3.8	1000 3000	15.919
135	+0.9	+3.8	1000 3000	17.144
140	+0.9	+3.8	1000 3000	18.415
150	+1.0	+4.2	1000 3000	21.163
155	+1.1	+4.5	1000 3000	22.629
160	+1.1	+4.5	1000 3000	24.086
165	+1.2	+5.0	1000 3000	25.680
170	+1.2	+5.0	1000 3000	27.230
175	+1.2	+5.0	1000 3000	28.826
180	+1.2	+5.0	1000 3000	30.468
190	+1.3	+5.5	1000 3000	33.992
200	+1.3	+5.5	1000 3000	37.598

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTROMID 6.6 FG / PA 6.6 FG

PRODUCT INFORMATION

Trade name:	CENTROMID 6.6 FG
Abbreviation:	PA 6.6 FG
Designation:	Polyamide 6.6 Food Grade, according to EU-Regulation 10/2011
Shapes:	Rods Tubes Sheets Plates
Colour:	Natural
Density:	1.14 g/cm ³



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural
---------------	--------------------------------	--------------------------------	--------------------	-----------------------

Tubes made of CENTROMID 6.6 FG / PA 6.6 FG are available on request.



Sheets | Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural
2	-0.15	+0.15	1000	1000 2000	2.372
2.5	-0.20	+0.20	1000	1000 2000	2.965
3	-0.20	+0.20	1000	1000 2000	3.558
4	-0.20	+0.20	1000	1000 2000	4.744
5	-0.25	+0.25	1000	1000 2000	5.930
6	-0.25	+0.25	1000	1000 2000	7.116
8	+0.2	+1.1	1000	1000 2000	10.259
10	+0.2	+1.1	500	1000 3000	6.316
10	+0.2	+1.1	610	1000 3000	7.705
12	+0.3	+1.5	500	1000 3000	7.650
12	+0.3	+1.5	610	1000 3000	9.333
15	+0.3	+1.5	500	1000 3000	9.429
15	+0.3	+1.5	610	1000 3000	11.503
20	+0.3	+1.5	500	1000 3000	12.394
20	+0.3	+1.5	610	1000 3000	15.121
25	+0.3	+1.5	500	1000 3000	15.359
25	+0.3	+1.5	610	1000 3000	18.738
30	+0.5	+2.5	500	1000 3000	18.680
30	+0.5	+2.5	610	1000 3000	22.790
35	+0.5	+2.5	500	1000 3000	21.645
35	+0.5	+2.5	610	1000 3000	26.407
40	+0.5	+2.5	500	1000 3000	24.610
40	+0.5	+2.5	610	1000 3000	30.024
45	+0.5	+2.5	500	1000 3000	27.575
45	+0.5	+2.5	610	1000 3000	33.642
50	+0.5	+2.5	500	1000 3000	30.540
50	+0.5	+2.5	610	1000 3000	37.259
60	+0.5	+3.5	500	1000 3000	36.767
60	+0.5	+3.5	610	1000 3000	44.856

Additional dimensions are available on request.

Tolerance length:	0% to +3%
Tolerance width:	+0.5% to +4%
	Standard item (available from stock)

CENTROMID 6.6 GL / PA 6.6 + PE

PRODUCT INFORMATION

Trade name: CENTROMID 6.6 GL
Abbreviation: PA 6.6 + PE
Designation: Polyamide 6.6 + PE
Shapes: Rods | Tubes | Plates
Colours: Natural | Desired colours
Density: 1.11 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural
10	+0.1	+0.7	1000 3000	0.095
12	+0.2	+0.8	1000 3000	0.137
15	+0.2	+0.8	1000 3000	0.211
16	+0.2	+0.8	1000 3000	0.239
18	+0.2	+0.8	1000 3000	0.300
20	+0.2	+0.8	1000 3000	0.369
22	+0.2	+1.0	1000 3000	0.448
25	+0.2	+1.0	1000 3000	0.575
28	+0.2	+1.0	1000 3000	0.717
30	+0.2	+1.0	1000 3000	0.821
32	+0.2	+1.2	1000 3000	0.938
36	+0.2	+1.2	1000 3000	1.181
40	+0.2	+1.2	1000 3000	1.453
45	+0.3	+1.3	1000 3000	1.839
50	+0.3	+1.3	1000 3000	2.263
56	+0.3	+1.3	1000 3000	2.829
60	+0.3	+1.6	1000 3000	3.258
65	+0.3	+1.6	1000 3000	3.814
70	+0.3	+1.6	1000 3000	4.414
75	+0.4	+2.0	1000 3000	5.092
80	+0.4	+2.0	1000 3000	5.782
85	+0.5	+2.2	1000 3000	6.538
90	+0.5	+2.2	1000 3000	7.318
95	+0.6	+2.5	1000 3000	8.174
100	+0.6	+2.5	1000 3000	9.043
110	+0.7	+3.0	1000 3000	10.970
120	+0.8	+3.5	1000 3000	13.084
125	+0.8	+3.5	1000 3000	14.177
130	+0.9	+3.8	1000 3000	15.360
140	+0.9	+3.8	1000 3000	17.769
150	+1.0	+4.2	1000 3000	20.420
170	+1.2	+5.0	1000 3000	26.275
180	+1.2	+5.0	1000 3000	29.399
200	+1.3	+5.5	1000 3000	36.279



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural
---------------	--------------------------------	--------------------------------	--------------------	-----------------------

Tubes made of CENTROMID 6.6 GL / PA 6.6 GL are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%

CENTROMID 6.6 GL / PA 6.6 + PE

PRODUCT INFORMATION

Trade name: CENTROMID 6.6 GL
Abbreviation: PA 6.6 + PE
Designation: Polyamide 6.6 + PE
Shapes: Rods | Tubes | Plates
Colours: Natural | Desired colours
Density: 1.11 g/cm³



Plates

PA

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural
10	+0.2	+1.1	500	1000 3000	6.094
10	+0.2	+1.1	610	1000 3000	7.435
12	+0.3	+1.5	500	1000 3000	7.381
12	+0.3	+1.5	610	1000 3000	9.005
15	+0.3	+1.5	500	1000 3000	9.098
15	+0.3	+1.5	610	1000 3000	11.100
20	+0.3	+1.5	500	1000 3000	11.959
20	+0.3	+1.5	610	1000 3000	14.590
25	+0.3	+1.5	500	1000 3000	14.820
25	+0.3	+1.5	610	1000 3000	18.081
30	+0.5	+2.5	500	1000 3000	18.024
30	+0.5	+2.5	610	1000 3000	21.990
35	+0.5	+2.5	500	1000 3000	20.886
35	+0.5	+2.5	610	1000 3000	25.480
40	+0.5	+2.5	500	1000 3000	23.747
40	+0.5	+2.5	610	1000 3000	28.971
45	+0.5	+2.5	500	1000 3000	26.608
45	+0.5	+2.5	610	1000 3000	32.461
50	+0.5	+2.5	500	1000 3000	29.469
50	+0.5	+2.5	610	1000 3000	35.952
60	+0.5	+3.5	500	1000 3000	35.477
60	+0.5	+3.5	610	1000 3000	43.282

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%

CENTROMID 6.6 GF / PA 6.6 GF 30

PRODUCT INFORMATION

Trade name: CENTROMID 6.6 GF
Abbreviation: PA 6.6 GF 30
Designation: Polyamide 6.6 + 30% glass fibre
Shapes: Rods | Tubes | Plates
Colour: Black
Density: 1.34 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) black
10	+0.1	+0.7	1000 3000	0.116
12	+0.2	+0.8	1000 3000	0.167
15	+0.2	+0.8	1000 3000	0.257
16	+0.2	+0.8	1000 3000	0.291
18	+0.2	+0.8	1000 3000	0.366
20	+0.2	+0.8	1000 3000	0.449
22	+0.2	+1.0	1000 3000	0.546
25	+0.2	+1.0	1000 3000	0.700
28	+0.2	+1.0	1000 3000	0.874
30	+0.2	+1.0	1000 3000	1.000
32	+0.2	+1.2	1000 3000	1.142
36	+0.2	+1.2	1000 3000	1.439
40	+0.2	+1.2	1000 3000	1.769
45	+0.3	+1.3	1000 3000	2.241
50	+0.3	+1.3	1000 3000	2.757
56	+0.3	+1.3	1000 3000	3.446
60	+0.3	+1.6	1000 3000	3.968
65	+0.3	+1.6	1000 3000	4.646
70	+0.3	+1.6	1000 3000	5.377
75	+0.4	+2.0	1000 3000	6.203
80	+0.4	+2.0	1000 3000	7.043
85	+0.5	+2.2	1000 3000	7.965
90	+0.5	+2.2	1000 3000	8.914
95	+0.6	+2.5	1000 3000	9.958
100	+0.6	+2.5	1000 3000	11.016
110	+0.7	+3.0	1000 3000	13.364
120	+0.8	+3.5	1000 3000	15.939
125	+0.8	+3.5	1000 3000	17.270
130	+0.9	+3.8	1000 3000	18.712
140	+0.9	+3.8	1000 3000	21.646
150	+1.0	+4.2	1000 3000	24.875



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) black
---------------	--------------------------------	--------------------------------	--------------------	---------------------

Tubes made of CENTROMID 6.6 GF / PA 6.6 GF 30 are available on request.



Plates

Thickness (mm)	Tolerance thickness (mm)	Width (mm)	Stock lengths (mm)	Weight (kg/m) natural
----------------	--------------------------	------------	--------------------	-----------------------

Plates made of CENTROMID 6.6 GF / PA 6.6 GF 30 are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTROMID 12 / PA 12

PRODUCT INFORMATION

Trade name: CENTROMID 12
Abbreviation: PA 12
Designation: Polyamide 12
Shapes: Rods | Tubes | Sheets | Plates
Colours: Natural | Black | Desired colours
Density: 1.04 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
10	+0.1	+0.7	1000 3000	0.090	0.090
12	+0.2	+0.8	1000 3000	0.130	0.130
15	+0.2	+0.8	1000 3000	0.199	0.199
16	+0.2	+0.8	1000 3000	0.226	0.226
18	+0.2	+0.8	1000 3000	0.284	0.284
20	+0.2	+0.8	1000 3000	0.348	0.348
22	+0.2	+1.0	1000 3000	0.423	0.423
25	+0.2	+1.0	1000 3000	0.543	0.543
28	+0.2	+1.0	1000 3000	0.678	0.678
30	+0.2	+1.0	1000 3000	0.776	0.776
32	+0.2	+1.2	1000 3000	0.887	0.887
36	+0.2	+1.2	1000 3000	1.117	1.117
40	+0.2	+1.2	1000 3000	1.373	1.373
45	+0.3	+1.3	1000 3000	1.739	1.739
50	+0.3	+1.3	1000 3000	2.140	2.140
56	+0.3	+1.3	1000 3000	2.675	2.675
60	+0.3	+1.6	1000 3000	3.080	3.080
65	+0.3	+1.6	1000 3000	3.606	3.606
70	+0.3	+1.6	1000 3000	4.173	4.173
75	+0.4	+2.0	1000 3000	4.814	4.814
80	+0.4	+2.0	1000 3000	5.466	5.466
85	+0.5	+2.2	1000 3000	6.182	6.182
90	+0.5	+2.2	1000 3000	6.918	6.918
95	+0.6	+2.5	1000 3000	7.728	7.728
100	+0.6	+2.5	1000 3000	8.550	8.550
105	+0.7	+3.0	1000 3000	9.465	9.465
110	+0.7	+3.0	1000 3000	10.372	10.372
115	+0.8	+3.5	1000 3000	11.378	11.378
120	+0.8	+3.5	1000 3000	12.370	12.370
125	+0.8	+3.5	1000 3000	13.404	13.404
130	+0.9	+3.8	1000 3000	14.522	14.522
135	+0.9	+3.8	1000 3000	15.640	15.640
140	+0.9	+3.8	1000 3000	16.800	16.800
150	+1.0	+4.2	1000 3000	19.306	19.306
155	+1.1	+4.5	1000 3000	20.644	20.644
160	+1.1	+4.5	1000 3000	21.973	21.973
165	+1.2	+5.0	1000 3000	23.427	23.427
170	+1.2	+5.0	1000 3000	24.842	24.842
175	+1.2	+5.0	1000 3000	26.298	26.298
180	+1.2	+5.0	1000 3000	27.795	27.795
190	+1.3	+5.5	1000 3000	31.010	31.010
200	+1.3	+5.5	1000 3000	34.300	34.300

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTROMID 12 / PA 12

PRODUCT INFORMATION

Trade name: CENTROMID 12
Abbreviation: PA 12
Designation: Polyamide 12
Shapes: Rods | Tubes | Sheets | Plates
Colours: Natural | Black | Desired colours
Density: 1.04 g/cm³



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
---------------	--------------------------------	--------------------------------	--------------------	-----------------------	---------------------

Tubes made of CENTROMID 12 / PA 12 are available on request.



Sheets | Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
2	-0.15	+0.15	1000	1000 2000	2.164	2.164
3	-0.20	+0.20	1000	1000 2000	3.246	3.246
4	-0.20	+0.20	1000	1000 2000	4.328	4.328
5	-0.25	+0.25	1000	1000 2000	5.410	5.410
6	-0.25	+0.25	1000	1000 2000	6.492	6.492
10	+0.2	+1.1	500	1000 3000	5.762	5.762
10	+0.2	+1.1	610	1000 3000	7.029	7.029
12	+0.3	+1.5	500	1000 3000	6.979	6.979
12	+0.3	+1.5	610	1000 3000	8.514	8.514
15	+0.3	+1.5	500	1000 3000	8.602	8.602
15	+0.3	+1.5	610	1000 3000	10.494	10.494
20	+0.3	+1.5	500	1000 3000	11.307	11.307
20	+0.3	+1.5	610	1000 3000	13.794	13.794
25	+0.3	+1.5	500	1000 3000	14.012	14.012
25	+0.3	+1.5	610	1000 3000	17.094	17.094
30	+0.5	+2.5	500	1000 3000	17.041	17.041
30	+0.5	+2.5	610	1000 3000	20.790	20.790
35	+0.5	+2.5	500	1000 3000	19.746	19.746
35	+0.5	+2.5	610	1000 3000	24.091	24.091
40	+0.5	+2.5	500	1000 3000	22.451	22.451
40	+0.5	+2.5	610	1000 3000	27.391	27.391
45	+0.5	+2.5	500	1000 3000	25.156	25.156
45	+0.5	+2.5	610	1000 3000	30.691	30.691
50	+0.5	+2.5	500	1000 3000	27.861	27.861
50	+0.5	+2.5	610	1000 3000	33.991	33.991
60	+0.5	+3.5	500	1000 3000	33.542	33.542
60	+0.5	+3.5	610	1000 3000	40.921	40.921

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)

CENTROMID 12 GF / PA 12 GF 30

PRODUCT INFORMATION

Trade name: CENTROMID 12 GF
Abbreviation: PA 12 GF 30
Designation: Polyamide 12 + 30% glass fibre
Shapes: Rods | Tubes | Plates
Colour: Natural
Density: 1.23 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural
20	+0.2	+0.8	1000 3000	0.412
22	+0.2	+1.0	1000 3000	0.501
25	+0.2	+1.0	1000 3000	0.643
28	+0.2	+1.0	1000 3000	0.802
30	+0.2	+1.0	1000 3000	0.918
32	+0.2	+1.2	1000 3000	1.048
36	+0.2	+1.2	1000 3000	1.321
40	+0.2	+1.2	1000 3000	1.624
45	+0.3	+1.3	1000 3000	2.057
50	+0.3	+1.3	1000 3000	2.530
56	+0.3	+1.3	1000 3000	3.163
60	+0.3	+1.6	1000 3000	3.643
65	+0.3	+1.6	1000 3000	4.265
70	+0.3	+1.6	1000 3000	4.936
75	+0.4	+2.0	1000 3000	5.693
80	+0.4	+2.0	1000 3000	6.465
85	+0.5	+2.2	1000 3000	7.311
90	+0.5	+2.2	1000 3000	8.182
95	+0.6	+2.5	1000 3000	9.140
100	+0.6	+2.5	1000 3000	10.112
110	+0.7	+3.0	1000 3000	12.267
120	+0.8	+3.5	1000 3000	14.630
125	+0.8	+3.5	1000 3000	15.852
130	+0.9	+3.8	1000 3000	17.175
140	+0.9	+3.8	1000 3000	19.869
150	+1.0	+4.2	1000 3000	22.833



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural
---------------	--------------------------------	--------------------------------	--------------------	-----------------------

Tubes made of CENTROMID 12 GF / PA 12 GF 30 are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%

CENTROMID 12 GF / PA 12 GF 30

PRODUCT INFORMATION

Trade name: CENTROMID 12 GF
Abbreviation: PA 12 GF 30
Designation: Polyamide 12 + 30% glass fibre
Shapes: Rods | Tubes | Plates
Colour: Natural
Density: 1.23 g/cm³



Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural
10	+0.2	+1.1	500	1000 3000	6.814
10	+0.2	+1.1	610	1000 3000	8.313
12	+0.3	+1.5	500	1000 3000	8.254
12	+0.3	+1.5	610	1000 3000	10.070
15	+0.3	+1.5	500	1000 3000	10.173
15	+0.3	+1.5	610	1000 3000	12.411
20	+0.3	+1.5	500	1000 3000	13.372
20	+0.3	+1.5	610	1000 3000	16.314
25	+0.3	+1.5	500	1000 3000	16.572
25	+0.3	+1.5	610	1000 3000	20.217
30	+0.5	+2.5	500	1000 3000	20.155
30	+0.5	+2.5	610	1000 3000	24.589
35	+0.5	+2.5	500	1000 3000	23.354
35	+0.5	+2.5	610	1000 3000	28.492
40	+0.5	+2.5	500	1000 3000	26.553
40	+0.5	+2.5	610	1000 3000	32.395
45	+0.5	+2.5	500	1000 3000	29.752
45	+0.5	+2.5	610	1000 3000	36.298
50	+0.5	+2.5	500	1000 3000	32.951
50	+0.5	+2.5	610	1000 3000	40.201
60	+0.5	+3.5	500	1000 3000	39.669
60	+0.5	+3.5	610	1000 3000	48.397

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)

CENTROMID 12 W / PA 12 soft

PRODUCT INFORMATION

Trade name: CENTROMID 12 W
Abbreviation: PA 12 soft
Designation: Polyamide 12 soft
Shape: Tubes
Colour: Natural
Density: 1.03 g/cm³



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural
---------------	--------------------------------	--------------------------------	--------------------	-----------------------

Tubes made of CENTROMID 12 W / PA 12 soft are available on request.

CENTROMID 12 LE W / PA 12 LE soft

PRODUCT INFORMATION

Trade name: CENTROMID 12 LE W
Abbreviation: PA 12 LE soft
Designation: Polyamide 12 food safe soft
Shape: Tubes
Colour: Natural
Density: 1.00 g/cm³



Tubes

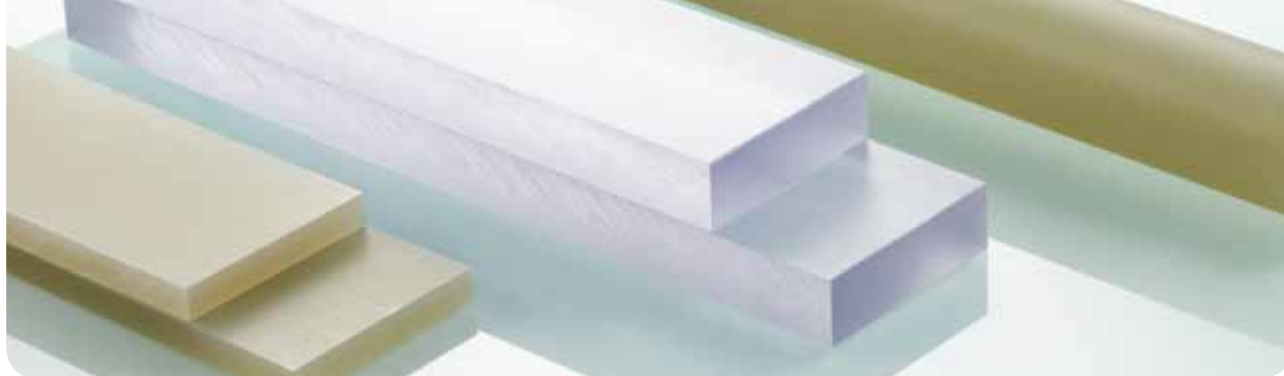
Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural
---------------	--------------------------------	--------------------------------	--------------------	-----------------------

Tubes made of CENTROMID 12 LE W / PA 12 LE soft are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)





CENTROCARB / PC

Colourless and form-stable

Polycarbonates are translucent thermoplastics and are produced through conversion of bisphenol A with phosgene. PC-plastics distinguish themselves through a wide spectrum of interesting and high-quality material properties. They are heat distortion resistant, very tough, can be sterilised and possess excellent electrical insulation properties. Based on their transparency, polycarbonates are often used as optical parts such as cover boxes or windows for measuring and switch devices.



Material Properties

Water absorption:	less good
Strength Hardness Toughness:	good
Temperature for usage in air:	good
Dimensional stability Heat distortion temperature:	good
Bond-, Weld- and Machinability:	good
Acid and Chemical resistance:	good

Product Informationen

Name: Polycarbonate
Other names:
Abbreviation ISO 1043: PC
CAS-number: /
Type of polymer: Thermoplastic
Molecular Shapeula: C ₁₅ H ₁₆ O ₂ + CCl ₂ O

Modifications

- CENTROCARB / PC
- CENTROCARB GF / PC GF 30

Field of application

- Containers
- Insulating components

CENTROCARB / PC

PRODUCT INFORMATION

Trade name: CENTROCARB
Abbreviation: PC
Designation: Polycarbonate
Shapes: Rods | Tubes | Plates
Colour: Colourless (transparent)
Density: 1.20 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) colourless
10	+0.1	+0.8	1000 3000	0.104
12	+0.2	+0.9	1000 3000	0.151
15	+0.2	+0.9	1000 3000	0.231
16	+0.2	+0.9	1000 3000	0.262
18	+0.2	+0.9	1000 3000	0.329
20	+0.2	+0.9	1000 3000	0.404
22	+0.2	+1.2	1000 3000	0.493
25	+0.2	+1.2	1000 3000	0.632
28	+0.2	+1.2	1000 3000	0.788
30	+0.2	+1.2	1000 3000	0.902
32	+0.2	+1.2	1000 3000	1.023
36	+0.2	+1.6	1000 3000	1.303
40	+0.2	+1.6	1000 3000	1.600
45	+0.3	+2.0	1000 3000	2.037
50	+0.3	+2.0	1000 3000	2.503
56	+0.3	+2.0	1000 3000	3.124
60	+0.3	+2.5	1000 3000	3.606
65	+0.3	+2.5	1000 3000	4.218
70	+0.3	+2.5	1000 3000	4.877
75	+0.4	+3.0	1000 3000	5.628
80	+0.4	+3.0	1000 3000	6.385
85	+0.5	+3.4	1000 3000	7.232
90	+0.5	+3.4	1000 3000	8.088
95	+0.6	+3.8	1000 3000	9.038
100	+0.6	+3.8	1000 3000	9.992
110	+0.7	+4.2	1000 3000	12.096
120	+0.8	+4.6	1000 3000	14.402
125	+0.8	+4.6	1000 3000	15.600
130	+0.9	+5.4	1000 3000	16.960
140	+0.9	+5.4	1000 3000	19.603
150	+1.0	+5.8	1000 3000	22.511
170	+1.2	+7.4	1000 3000	29.062
180	+1.2	+7.4	1000 3000	32.493
200	+1.3	+8.5	1000 3000	40.163



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) colourless
---------------	--------------------------------	--------------------------------	--------------------	--------------------------

Tubes made of CENTROCARB / PC are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTROCARB / PC

PRODUCT INFORMATION

Trade name: CENTROCARB
Abbreviation: PC
Designation: Polycarbonate
Shapes: Rods | Tubes | Plates
Colour: Colourless (transparent)
Density: 1.20 g/cm³



Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) colourless
10	+0.2	+1.1	500	1000 3000	6.648
10	+0.2	+1.1	610	1000 3000	8.111
12	+0.3	+1.5	500	1000 3000	8.053
12	+0.3	+1.5	610	1000 3000	9.824
15	+0.3	+1.5	500	1000 3000	9.925
15	+0.3	+1.5	610	1000 3000	12.109
20	+0.3	+1.5	500	1000 3000	13.046
20	+0.3	+1.5	610	1000 3000	15.916
25	+0.3	+1.5	500	1000 3000	16.167
25	+0.3	+1.5	610	1000 3000	19.724
30	+0.5	+2.5	500	1000 3000	19.663
30	+0.5	+2.5	610	1000 3000	23.989
35	+0.5	+2.5	500	1000 3000	22.784
35	+0.5	+2.5	610	1000 3000	27.797
40	+0.5	+2.5	500	1000 3000	25.905
40	+0.5	+2.5	610	1000 3000	31.605
45	+0.5	+2.5	500	1000 3000	29.026
45	+0.5	+2.5	610	1000 3000	35.412
50	+0.5	+2.5	500	1000 3000	32.148
50	+0.5	+2.5	610	1000 3000	39.220
60	+0.5	+3.5	500	1000 3000	38.702
60	+0.5	+3.5	610	1000 3000	47.216
70	+0.5	+3.5	610	1000 3000	54.832
80	+0.5	+5.0	610	1000 3000	63.019
90	+0.5	+5.0	610	1000 3000	70.634
100	+0.5	+5.0	610	1000 3000	78.250

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)

CENTROCARB GF / PC GF 30

PRODUCT INFORMATION

Trade name: CENTROCARB GF
Abbreviation: PC GF 30
Designation: Polycarbonate + 30% glass fibre
Shapes: Rods | Tubes | Plates
Colour: Natural
Density: 1.43 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural
10	+0.1	+0.8	1000 3000	0.124
12	+0.2	+0.9	1000 3000	0.180
15	+0.2	+0.9	1000 3000	0.276
16	+0.2	+0.9	1000 3000	0.312
18	+0.2	+0.9	1000 3000	0.392
20	+0.2	+0.9	1000 3000	0.481
22	+0.2	+1.2	1000 3000	0.587
25	+0.2	+1.2	1000 3000	0.753
28	+0.2	+1.2	1000 3000	0.939
30	+0.2	+1.2	1000 3000	1.074
32	+0.2	+1.2	1000 3000	1.219
36	+0.2	+1.6	1000 3000	1.552
40	+0.2	+1.6	1000 3000	1.907
45	+0.3	+2.0	1000 3000	2.428
50	+0.3	+2.0	1000 3000	2.983
56	+0.3	+2.0	1000 3000	3.723
60	+0.3	+2.5	1000 3000	4.298
65	+0.3	+2.5	1000 3000	5.026
70	+0.3	+2.5	1000 3000	5.812
75	+0.4	+3.0	1000 3000	6.706
80	+0.4	+3.0	1000 3000	7.609
85	+0.5	+3.4	1000 3000	8.618
90	+0.5	+3.4	1000 3000	9.638
95	+0.6	+3.8	1000 3000	10.770
100	+0.6	+3.8	1000 3000	11.907
110	+0.7	+4.2	1000 3000	14.415
120	+0.8	+4.6	1000 3000	17.163
125	+0.8	+4.6	1000 3000	18.590
130	+0.9	+5.4	1000 3000	20.210
140	+0.9	+5.4	1000 3000	23.360
150	+1.0	+5.8	1000 3000	26.825



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural
---------------	--------------------------------	--------------------------------	--------------------	-----------------------

Tubes made of CENTROCARB GF / PC GF 30 are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%

CENTROCARB GF / PC GF 30

PRODUCT INFORMATION

Trade name: CENTROCARB GF
Abbreviation: PC GF 30
Designation: Polycarbonate + 30% glass fibre
Shapes: Rods | Tubes | Plates
Colour: Natural
Density: 1.43 g/cm³



Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural
10	+0.2	+1.1	500	1000 3000	7.922
10	+0.2	+1.1	610	1000 3000	9.665
12	+0.3	+1.5	500	1000 3000	9.596
12	+0.3	+1.5	610	1000 3000	11.707
15	+0.3	+1.5	500	1000 3000	11.828
15	+0.3	+1.5	610	1000 3000	14.430
20	+0.3	+1.5	500	1000 3000	15.547
20	+0.3	+1.5	610	1000 3000	18.967
25	+0.3	+1.5	500	1000 3000	19.266
25	+0.3	+1.5	610	1000 3000	23.505
30	+0.5	+2.5	500	1000 3000	23.432
30	+0.5	+2.5	610	1000 3000	28.587
35	+0.5	+2.5	500	1000 3000	27.151
35	+0.5	+2.5	610	1000 3000	33.124
40	+0.5	+2.5	500	1000 3000	30.871
40	+0.5	+2.5	610	1000 3000	37.662
45	+0.5	+2.5	500	1000 3000	34.590
45	+0.5	+2.5	610	1000 3000	42.200
50	+0.5	+2.5	500	1000 3000	38.309
50	+0.5	+2.5	610	1000 3000	46.737
60	+0.5	+3.5	500	1000 3000	46.120
60	+0.5	+3.5	610	1000 3000	56.266

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%



CENTROPHEN / PPE

High resistance to hydrolysis and impact resistance

Polyphenyle ether is obtained from 2.6 dimethyl phenol and was previously known on the market under the name polyphenyle oxides (PPO). They characterise themselves through high heat distortion resistance, excellent dimensional stability and very low water absorbency. With a density of 1.06 g/cm³, Polyphenylen-ether rank among the lightest engineered plastics and are applicable within a wide temperature range; mainly in electric engineering.



Material Properties

Water absorption:	less good
Strength Hardness Toughness:	good
Temperature for usage in air:	good
Dimensional stability Heat distortion temperature:	good
Bond-, Weld- and Machinability:	good
Acid and Chemical resistance:	less good

Product Informationen

Name: Polyphenylene ether
Other names: Polyphenylenoxide (PPO)
Abbreviation ISO 1043: PPE
CAS-number: 25134-01-4
Type of polymer: Thermoplastic
Molecular Shapeula: C8H8O

Modifications

- CENTROPHEN / PPE
- CENTROPHEN GF / PPE GF 30

Field of application

- Electronic housings
- Fittings

CENTROPHEN / PPE

PRODUCT INFORMATION

Trade name: CENTROPHEN
Abbreviation: PPE
Designation: Polyphenyle ether
Shapes: Rods | Tubes | Plates
Colour: Grey
Density: 1.06 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) grey
10	+0.1	+0.8	1000 3000	0.092
12	+0.2	+0.9	1000 3000	0.133
15	+0.2	+0.9	1000 3000	0.204
16	+0.2	+0.9	1000 3000	0.231
18	+0.2	+0.9	1000 3000	0.291
20	+0.2	+0.9	1000 3000	0.357
22	+0.2	+1.2	1000 3000	0.435
25	+0.2	+1.2	1000 3000	0.558
28	+0.2	+1.2	1000 3000	0.696
30	+0.2	+1.2	1000 3000	0.796
32	+0.2	+1.2	1000 3000	0.904
36	+0.2	+1.6	1000 3000	1.151
40	+0.2	+1.6	1000 3000	1.414
45	+0.3	+2.0	1000 3000	1.800
50	+0.3	+2.0	1000 3000	2.211
56	+0.3	+2.0	1000 3000	2.760
60	+0.3	+2.5	1000 3000	3.186
65	+0.3	+2.5	1000 3000	3.726
70	+0.3	+2.5	1000 3000	4.308
75	+0.4	+3.0	1000 3000	4.971
80	+0.4	+3.0	1000 3000	5.640
85	+0.5	+3.4	1000 3000	6.389
90	+0.5	+3.4	1000 3000	7.144
95	+0.6	+3.8	1000 3000	7.984
100	+0.6	+3.8	1000 3000	8.826
110	+0.7	+4.2	1000 3000	10.685
120	+0.8	+4.6	1000 3000	12.722
125	+0.8	+4.6	1000 3000	13.780
130	+0.9	+5.4	1000 3000	14.981
140	+0.9	+5.4	1000 3000	17.316
150	+1.0	+5.8	1000 3000	19.884



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) grey
---------------	--------------------------------	--------------------------------	--------------------	--------------------

Tubes made of CENTROPHEN / PPE are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTROPHEN / PPE

PRODUCT INFORMATION

Trade name: CENTROPHEN
Abbreviation: PPE
Designation: Polyphenyle ether
Shapes: Rods | Tubes | Plates
Colour: Grey
Density: 1.06 g/cm³



Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) grey
10	+0.2	+1.1	500	1000 3000	5.872
10	+0.2	+1.1	610	1000 3000	7.164
12	+0.3	+1.5	500	1000 3000	7.113
12	+0.3	+1.5	610	1000 3000	8.678
15	+0.3	+1.5	500	1000 3000	8.767
15	+0.3	+1.5	610	1000 3000	10.696
20	+0.3	+1.5	500	1000 3000	11.524
20	+0.3	+1.5	610	1000 3000	14.060
25	+0.3	+1.5	500	1000 3000	14.281
25	+0.3	+1.5	610	1000 3000	17.423
30	+0.5	+2.5	500	1000 3000	17.369
30	+0.5	+2.5	610	1000 3000	21.190
35	+0.5	+2.5	500	1000 3000	20.126
35	+0.5	+2.5	610	1000 3000	24.554
40	+0.5	+2.5	500	1000 3000	22.883
40	+0.5	+2.5	610	1000 3000	27.917
45	+0.5	+2.5	500	1000 3000	25.640
45	+0.5	+2.5	610	1000 3000	31.281
50	+0.5	+2.5	500	1000 3000	28.397
50	+0.5	+2.5	610	1000 3000	34.644
60	+0.5	+3.5	500	1000 3000	34.187
60	+0.5	+3.5	610	1000 3000	41.708
70	+0.5	+3.5	500	1000 3000	39.701
70	+0.5	+3.5	610	1000 3000	48.435
80	+0.5	+5.0	610	1000 3000	55.666
90	+0.5	+5.0	610	1000 3000	62.394
100	+0.5	+5.0	610	1000 3000	69.121

PPE

The sheets width 1000 / 1220 mm and additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)

CENTROPHEN GF / PPE GF 30

PRODUCT INFORMATION

Trade name: CENTROPHEN GF
Abbreviation: PPE GF 30
Designation: Polyphenyle ether + 30% glass fibre
Shapes: Rods | Tubes | Plates
Colour: Natural
Density: 1.30 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural
10	+0.1	+0.8	1000 3000	0.113
12	+0.2	+0.9	1000 3000	0.163
15	+0.2	+0.9	1000 3000	0.251
16	+0.2	+0.9	1000 3000	0.284
18	+0.2	+0.9	1000 3000	0.357
20	+0.2	+0.9	1000 3000	0.438
22	+0.2	+1.2	1000 3000	0.534
25	+0.2	+1.2	1000 3000	0.684
28	+0.2	+1.2	1000 3000	0.854
30	+0.2	+1.2	1000 3000	0.977
32	+0.2	+1.2	1000 3000	1.108
36	+0.2	+1.6	1000 3000	1.411
40	+0.2	+1.6	1000 3000	1.734
45	+0.3	+2.0	1000 3000	2.207
50	+0.3	+2.0	1000 3000	2.711
56	+0.3	+2.0	1000 3000	3.385
60	+0.3	+2.5	1000 3000	3.907
65	+0.3	+2.5	1000 3000	4.569
70	+0.3	+2.5	1000 3000	5.283
75	+0.4	+3.0	1000 3000	6.097
80	+0.4	+3.0	1000 3000	6.917
85	+0.5	+3.4	1000 3000	7.835
90	+0.5	+3.4	1000 3000	8.762
95	+0.6	+3.8	1000 3000	9.791
100	+0.6	+3.8	1000 3000	10.824
110	+0.7	+4.2	1000 3000	13.104
120	+0.8	+4.6	1000 3000	15.602
125	+0.8	+4.6	1000 3000	16.900
130	+0.9	+5.4	1000 3000	18.373
140	+0.9	+5.4	1000 3000	21.236
150	+1.0	+5.8	1000 3000	24.387



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural
---------------	--------------------------------	--------------------------------	--------------------	-----------------------

Tubes made of CENTROPHEN GF / PPE GF 30 are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTROPHEN GF / PPE GF 30

PRODUCT INFORMATION

Trade name: CENTROPHEN GF
Abbreviation: PPE GF 30
Designation: Polyphenyle ether + 30% glass fibre
Shapes: Rods | Tubes | Plates
Colour: Natural
Density: 1.30 g/cm³



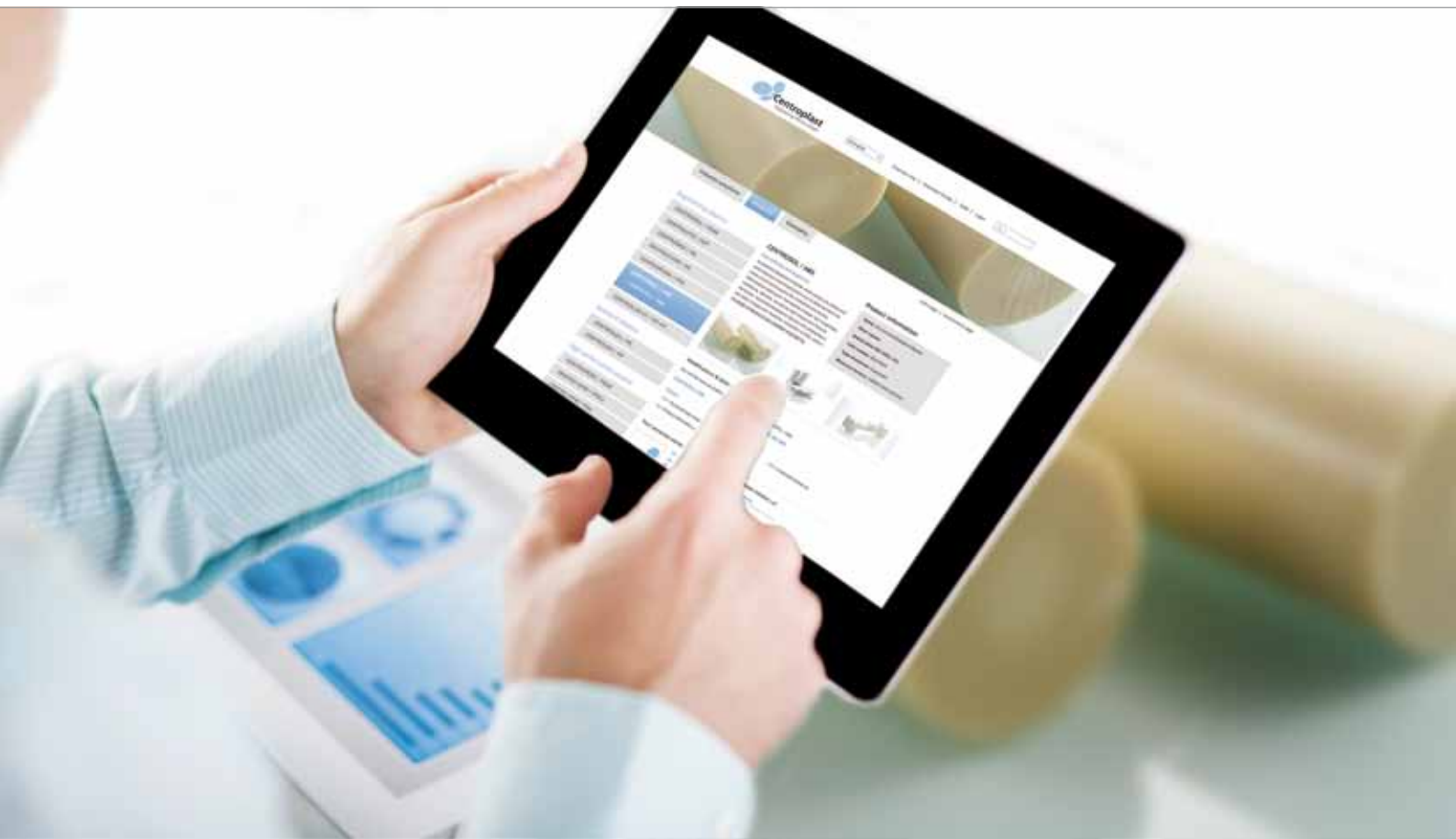
Plates

PPE

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural
10	+0.2	+1.1	500	1000 3000	7.202
10	+0.2	+1.1	610	1000 3000	8.786
12	+0.3	+1.5	500	1000 3000	8.724
12	+0.3	+1.5	610	1000 3000	10.643
15	+0.3	+1.5	500	1000 3000	10.752
15	+0.3	+1.5	610	1000 3000	13.118
20	+0.3	+1.5	500	1000 3000	14.133
20	+0.3	+1.5	610	1000 3000	17.243
25	+0.3	+1.5	500	1000 3000	17.515
25	+0.3	+1.5	610	1000 3000	21.368
30	+0.5	+2.5	500	1000 3000	21.302
30	+0.5	+2.5	610	1000 3000	25.988
35	+0.5	+2.5	500	1000 3000	24.683
35	+0.5	+2.5	610	1000 3000	30.113
40	+0.5	+2.5	500	1000 3000	28.064
40	+0.5	+2.5	610	1000 3000	34.238
45	+0.5	+2.5	500	1000 3000	31.445
45	+0.5	+2.5	610	1000 3000	38.363
50	+0.5	+2.5	500	1000 3000	34.827
50	+0.5	+2.5	610	1000 3000	42.488
60	+0.5	+3.5	500	1000 3000	41.927
60	+0.5	+3.5	610	1000 3000	51.151

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)





CENTROSOL / ABS

High stiffness and toughness

Acrylonitrile-Butadiene-Styrole ranks among the oldest and most important styrolcopolymers and is obtained from the three components acrylnitrile, butadiene and styrole. ABS-plastics distinguish themselves through high toughness, resistance, stiffness, as well as their impact and fracture behaviour. Acrylnitrile-Butadiene-Styrole only has a low static charge and is therefore often used in the areas of electronic and precision engineering.



Material Properties

Water absorption:	less good
Strength Hardness Toughness:	good
Temperature for usage in air:	less good
Dimensional stability Heat distortion temperature:	good
Bond-, Weld- and Machinability:	good
Acid and Chemical resistance:	good

Product Informationen

Name: Acrylonitrile-Butadiene-Styrole
Other names: /
Abbreviation ISO 1043: ABS
CAS-number: 9003-56-9
Type of polymer: Thermoplastic
Molecular Shapeula: $(C_8H_8-C_4H_6-C_3H_3N)_n$

Modifications

→ CENTROSOL / ABS

Field of application

- Operation components
- Support components

Trade name: CENTROSOL
Abbreviation: ABS
Designation: Acrylnitrile butadiene Styrene copolymer
Shapes: Rods | Tubes | Plates
Colour: Natural | Desired colours
Density: 1.05 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural
20	+0.2	+0.9	1000 3000	0.353
22	+0.2	+1.2	1000 3000	0.431
25	+0.2	+1.2	1000 3000	0.553
28	+0.2	+1.2	1000 3000	0.689
30	+0.2	+1.2	1000 3000	0.789
32	+0.2	+1.2	1000 3000	0.895
36	+0.2	+1.6	1000 3000	1.140
40	+0.2	+1.6	1000 3000	1.400
45	+0.3	+2.0	1000 3000	1.783
50	+0.3	+2.0	1000 3000	2.190
56	+0.3	+2.0	1000 3000	2.734
60	+0.3	+2.5	1000 3000	3.156
65	+0.3	+2.5	1000 3000	3.690
70	+0.3	+2.5	1000 3000	4.267
75	+0.4	+3.0	1000 3000	4.924
80	+0.4	+3.0	1000 3000	5.587
85	+0.5	+3.4	1000 3000	6.328
90	+0.5	+3.4	1000 3000	7.077
95	+0.6	+3.8	1000 3000	7.908
100	+0.6	+3.8	1000 3000	8.743
110	+0.7	+4.2	1000 3000	10.584
120	+0.8	+4.6	1000 3000	12.602
125	+0.8	+4.6	1000 3000	13.650
130	+0.9	+5.4	1000 3000	14.840
140	+0.9	+5.4	1000 3000	17.153
150	+1.0	+5.8	1000 3000	19.697
170	+1.2	+7.4	1000 3000	25.430
180	+1.2	+7.4	1000 3000	28.431
200	+1.3	+8.5	1000 3000	35.142



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural
---------------	--------------------------------	--------------------------------	--------------------	-----------------------

Tubes made of CENTROSOL / ABS are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%

Trade name: CENTROSOL
Abbreviation: ABS
Designation: Acrylnitrile butadiene Styrene copolymer
Shapes: Rods | Tubes | Plates
Colours: Natural | Desired colours
Density: 1.05 g/cm³

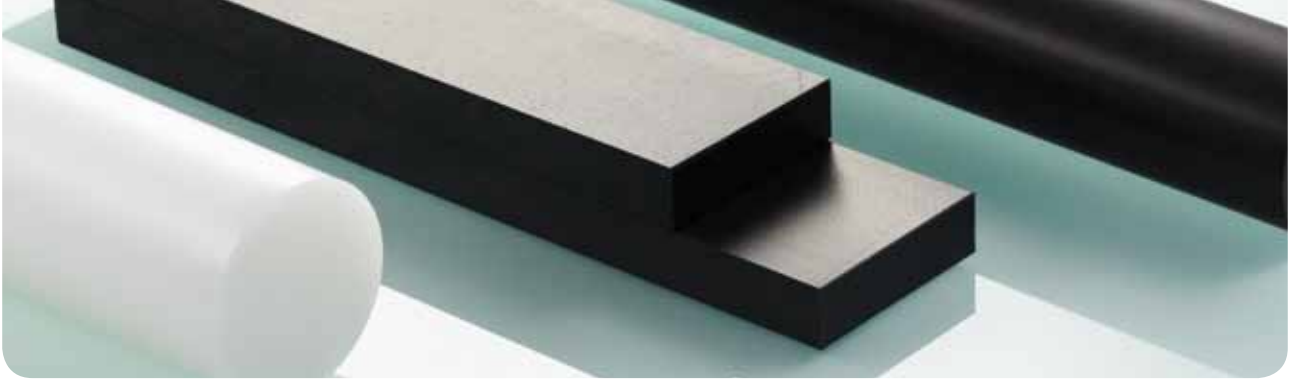


Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural
10	+0.2	+1.1	500	1000 3000	5.817
10	+0.2	+1.1	610	1000 3000	7.097
12	+0.3	+1.5	500	1000 3000	7.046
12	+0.3	+1.5	610	1000 3000	8.596
15	+0.3	+1.5	500	1000 3000	8.685
15	+0.3	+1.5	610	1000 3000	10.595
20	+0.3	+1.5	500	1000 3000	11.416
20	+0.3	+1.5	610	1000 3000	13.927
25	+0.3	+1.5	500	1000 3000	14.146
25	+0.3	+1.5	610	1000 3000	17.259
30	+0.5	+2.5	500	1000 3000	17.205
30	+0.5	+2.5	610	1000 3000	20.990
35	+0.5	+2.5	500	1000 3000	19.936
35	+0.5	+2.5	610	1000 3000	24.322
40	+0.5	+2.5	500	1000 3000	22.667
40	+0.5	+2.5	610	1000 3000	27.654
45	+0.5	+2.5	500	1000 3000	25.398
45	+0.5	+2.5	610	1000 3000	30.986
50	+0.5	+2.5	500	1000 3000	28.129
50	+0.5	+2.5	610	1000 3000	34.318
60	+0.5	+3.5	500	1000 3000	33.864
60	+0.5	+3.5	610	1000 3000	41.314

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%



CENTROLEN / PE

Low water absorption and good machinability

Polyethylenes are semi-crystalline thermoplastics and are formed through polymerisation of ethylene by means of organic metal catalysts. PE-plastics are part of the polyolefine group. They are soft and flexible and semi-crystalline at the same time. Polyethylenes are easy to process and versatile in use. The low density provides reduction in weight. Polyethylenes are often used in the machinery and food industry.



Material Properties

Water absorption:	less good
Strength Hardness Toughness:	good
Temperature for usage in air:	less good
Dimensional stability Heat distortion temperature:	good
Bond-, Weld- and Machinability:	good
Acid and Chemical resistance:	very good

Product Informationen

Name: Polyethylene
Other names: Polyethene
Abbreviation ISO 1043: PE
CAS-number: 9002-88-4
Type of polymer: Thermoplastic
Molecular Shapeula: C2H4

Modifications

- CENTROLEN / PE-HD
- CENTROLEN / PE-UHMW

Field of application

- Glide strips
- Pump components

CENTROLEN / PE-HD

PRODUCT INFORMATION

Trade name: CENTROLEN
Abbreviation: PE-HD
Designation: Polyethylene High Density
Shapes: Rods | Tubes
Colours: Natural | Black | Desired colours
Density: 0.96 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
10	+0.1	+0.6	1000 2000	0.082	0.082
12	+0.2	+0.7	1000 2000	0.119	0.119
15	+0.2	+0.8	1000 2000	0.184	0.184
18	+0.2	+0.9	1000 2000	0.263	0.263
20	+0.2	+1.2	1000 2000	0.328	0.328
22	+0.2	+1.2	1000 2000	0.394	0.394
25	+0.2	+1.2	1000 2000	0.505	0.505
28	+0.2	+1.2	1000 2000	0.630	0.630
30	+0.2	+1.2	1000 2000	0.721	0.721
32	+0.2	+1.3	1000 2000	0.821	0.821
35	+0.2	+1.3	1000 2000	0.978	0.978
40	+0.2	+1.5	1000 2000	1.277	1.277
45	+0.3	+2.0	1000 2000	1.630	1.630
50	+0.3	+2.0	1000 2000	2.002	2.002
55	+0.3	+2.0	1000 2000	2.413	2.413
60	+0.3	+2.3	1000 2000	2.876	2.876
65	+0.3	+2.5	1000 2000	3.374	3.374
70	+0.3	+2.5	1000 2000	3.901	3.901
75	+0.4	+3.0	1000 2000	4.502	4.502
80	+0.4	+3.0	1000 2000	5.108	5.108
85	+0.5	+3.4	1000 2000	5.786	5.786
90	+0.5	+3.4	1000 2000	6.470	6.470
100	+0.6	+3.8	1000 2000	7.993	7.993
110	+0.7	+4.2	1000 2000	9.677	9.677
120	+0.8	+4.6	1000 2000	11.522	11.522
125	+0.8	+4.6	1000 2000	12.480	12.480
130	+0.9	+5.4	1000 2000	13.568	13.568
140	+0.9	+5.4	1000 2000	15.682	15.682
150	+1.0	+5.8	1000 2000	18.009	18.009
160	+1.1	+6.3	1000 2000	20.508	20.508
170	+1.2	+7.4	1000 2000	23.250	23.250
180	+1.2	+7.4	1000 2000	25.994	25.994
200	+1.3	+8.5	1000 2000	32.130	32.130
225	+1.5	+9.5	1000 2000	40.660	40.660
250	+1.5	+9.5	1000 2000	49.958	49.958
280	+1.5	+10.0	1000 2000	62.488	62.488
300	+1.5	+10.5	1000 2000	71.659	71.659
350	+1.5	+12.0	1000 2000	97.399	97.399



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) black
---------------	--------------------------------	--------------------------------	--------------------	-----------------------	---------------------

Tubes made of CENTROLEN / PE-HD are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTROLEN / PE-UHMW

PRODUCT INFORMATION

Trade name: CENTROLEN
Abbreviation: PE-UHMW
Designation: Ultra-high molecular weight Polyethylene
Shapes: Rods
Colours: Natural | Desired colours
Density: 0.94 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural
20	+0.2	+1.2	1000 2000	0.321
25	+0.2	+1.2	1000 2000	0.495
30	+0.2	+1.2	1000 2000	0.706
35	+0.2	+1.3	1000 2000	0.958
40	+0.2	+1.5	1000 2000	1.250
45	+0.3	+2.0	1000 2000	1.596
50	+0.3	+2.0	1000 2000	1.961
60	+0.3	+2.3	1000 2000	2.816
65	+0.3	+2.5	1000 2000	3.304
70	+0.3	+2.5	1000 2000	3.820
80	+0.4	+3.0	1000 2000	5.002
90	+0.5	+3.4	1000 2000	6.336
100	+0.6	+3.8	1000 2000	7.827
110	+0.7	+4.2	1000 2000	9.476
120	+0.8	+4.6	1000 2000	11.282
125	+0.8	+4.6	1000 2000	12.220
130	+0.9	+5.4	1000 2000	13.285
140	+0.9	+5.4	1000 2000	15.356
150	+1.0	+5.8	1000 2000	17.633
160	+1.1	+6.3	1000 2000	20.081
180	+1.2	+7.4	1000 2000	25.453
200	+1.3	+8.5	1000 2000	31.461

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)



CENTROLEN / PP

Good weldability, acid and chemical resistance

Polypropylenes are semi-crystalline thermoplastics and are produced through the polymerisation of propylenes. PP-plastics belong to the polyolefine group, the same as polyethylene. However, they possess higher chemical resistance, stiffness and melting temperatures. Polypropylenes are easy to process and versatile in use. The low density provides reduction in weight. Polypropylenes are often used as warm-water pressure and waste-water pipes.



Material Properties

Water absorption:	less good
Strength Hardness Toughness:	good
Temperature for usage in air:	less good
Dimensional stability Heat distortion temperature:	less good
Bond-, Weld- and Machinability:	very good
Acid and Chemical resistance:	very good

Product Informationen

Name: Polypropylene
Other names: Polypropene
Abbreviation ISO 1043: PP
CAS-number: 9003-07-0
Type of polymer: Thermoplastic
Molecular Shapeula: C3H6

Modifications

- CENTROLEN / PP-H
- CENTROLEN / PPs
- CENTROLEN / PP GF 30
- CENTROLEN / PP LF

Field of application

- Covers
- Filter housings
- Housings
- Pump bodies

CENTROLEN / PP-H

PRODUCT INFORMATION

Trade name: CENTROLEN
Abbreviation: PP-H
Designation: Polypropylene Homopolymer
Shapes: Rods | Tubes
Colours: Natural | Grey | Desired colours
Density: 0.91 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) grey
10	+0.1	+0.6	1000 2000	0.078	0.078
12	+0.2	+0.7	1000 2000	0.112	0.112
15	+0.2	+0.8	1000 2000	0.174	0.174
18	+0.2	+0.9	1000 2000	0.250	0.250
20	+0.2	+1.2	1000 2000	0.311	0.311
22	+0.2	+1.2	1000 2000	0.374	0.374
25	+0.2	+1.2	1000 2000	0.479	0.479
28	+0.2	+1.2	1000 2000	0.598	0.598
30	+0.2	+1.2	1000 2000	0.684	0.684
32	+0.2	+1.3	1000 2000	0.778	0.778
35	+0.2	+1.3	1000 2000	0.927	0.927
40	+0.2	+1.5	1000 2000	1.211	1.211
45	+0.3	+2.0	1000 2000	1.545	1.545
50	+0.3	+2.0	1000 2000	1.898	1.898
55	+0.3	+2.0	1000 2000	2.287	2.287
60	+0.3	+2.3	1000 2000	2.726	2.726
65	+0.3	+2.5	1000 2000	3.198	3.198
70	+0.3	+2.5	1000 2000	3.698	3.698
75	+0.4	+3.0	1000 2000	4.268	4.268
80	+0.4	+3.0	1000 2000	4.842	4.842
85	+0.5	+3.4	1000 2000	5.484	5.484
90	+0.5	+3.4	1000 2000	6.133	6.133
100	+0.6	+3.8	1000 2000	7.577	7.577
110	+0.7	+4.2	1000 2000	9.173	9.173
120	+0.8	+4.6	1000 2000	10.922	10.922
125	+0.8	+4.6	1000 2000	11.830	11.830
130	+0.9	+5.4	1000 2000	12.861	12.861
135	+0.9	+5.4	1000 2000	13.845	13.845
140	+0.9	+5.4	1000 2000	14.866	14.866
150	+1.0	+5.8	1000 2000	17.071	17.071
160	+1.1	+6.3	1000 2000	19.440	19.440
170	+1.2	+7.4	1000 2000	22.039	22.039
180	+1.2	+7.4	1000 2000	24.640	24.640
200	+1.3	+8.5	1000 2000	30.457	30.457
225	+1.5	+9.5	1000 2000	38.542	38.542
250	+1.5	+9.5	1000 2000	47.356	47.356
280	+1.5	+10.0	1000 2000	59.234	59.234
300	+1.5	+10.5	1000 2000	67.927	67.927
350	+1.5	+12.0	1000 2000	92.326	92.326



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural	Weight (kg/m) grey
---------------	--------------------------------	--------------------------------	--------------------	-----------------------	--------------------

Tubes made of CENTROLEN / PP-H are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTROLEN / PPs

PRODUCT INFORMATION

Trade name: CENTROLEN
Abbreviation: PPs
Designation: Polypropylene flame resistant
Shapes: Rods | Tubes
Colour: Middle grey
Density: 0.92 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) middle grey
20	+0.2	+1.2	1000 2000	0.314
22	+0.2	+1.2	1000 2000	0.378
25	+0.2	+1.2	1000 2000	0.484
28	+0.2	+1.2	1000 2000	0.604
30	+0.2	+1.2	1000 2000	0.691
32	+0.2	+1.3	1000 2000	0.787
36	+0.2	+1.3	1000 2000	0.991
40	+0.2	+1.5	1000 2000	1.224
45	+0.3	+2.0	1000 2000	1.562
50	+0.3	+2.0	1000 2000	1.919
56	+0.3	+2.0	1000 2000	2.395
60	+0.3	+2.3	1000 2000	2.756
65	+0.3	+2.5	1000 2000	3.234
70	+0.3	+2.5	1000 2000	3.739
75	+0.4	+3.0	1000 2000	4.315
80	+0.4	+3.0	1000 2000	4.895
85	+0.5	+3.4	1000 2000	5.545
90	+0.5	+3.4	1000 2000	6.201
100	+0.6	+3.8	1000 2000	7.660
110	+0.7	+4.2	1000 2000	9.274
120	+0.8	+4.6	1000 2000	11.042
125	+0.8	+4.6	1000 2000	11.960
130	+0.9	+5.4	1000 2000	13.002
135	+0.9	+5.4	1000 2000	13.997
140	+0.9	+5.4	1000 2000	15.029
150	+1.0	+5.8	1000 2000	17.258



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) middle grey
---------------	--------------------------------	--------------------------------	--------------------	---------------------------

Tubes made of CENTROLEN / PPs are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%

CENTROLEN / PP GF 30

PRODUCT INFORMATION

Trade name: CENTROLEN
Abbreviation: PP GF 30
Designation: Polypropylene + 30% glass fibre
Shapes: Rods | Tubes
Colour: Natural
Density: 1.15 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural
20	+0.2	+1.2	1000 2000	0.393
22	+0.2	+1.2	1000 2000	0.472
25	+0.2	+1.2	1000 2000	0.606
28	+0.2	+1.2	1000 2000	0.755
30	+0.2	+1.2	1000 2000	0.864
32	+0.2	+1.3	1000 2000	0.983
36	+0.2	+1.3	1000 2000	1.238
40	+0.2	+1.5	1000 2000	1.530
45	+0.3	+2.0	1000 2000	1.953
50	+0.3	+2.0	1000 2000	2.399
56	+0.3	+2.0	1000 2000	2.994
60	+0.3	+2.3	1000 2000	3.445
65	+0.3	+2.5	1000 2000	4.042
70	+0.3	+2.5	1000 2000	4.674
75	+0.4	+3.0	1000 2000	5.393
80	+0.4	+3.0	1000 2000	6.119
85	+0.5	+3.4	1000 2000	6.931
90	+0.5	+3.4	1000 2000	7.751
100	+0.6	+3.8	1000 2000	9.575



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural
---------------	--------------------------------	--------------------------------	--------------------	-----------------------

Tubes made of CENTROLEN / PP GF 30 are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%

CENTROLEN / PP LF

PRODUCT INFORMATION

Trade name: CENTROLEN
Abbreviation: PP LF
Designation: Polypropylene electrically conductive
Shapes: Rods | Tubes
Colour: Black
Density: 1.04 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) black
20	+0.2	+1.2	1000 2000	0.355
22	+0.2	+1.2	1000 2000	0.427
25	+0.2	+1.2	1000 2000	0.548
28	+0.2	+1.2	1000 2000	0.683
30	+0.2	+1.2	1000 2000	0.781
32	+0.2	+1.3	1000 2000	0.889
35	+0.2	+1.3	1000 2000	1.060
40	+0.2	+1.5	1000 2000	1.383
45	+0.3	+2.0	1000 2000	1.766
50	+0.3	+2.0	1000 2000	2.169
55	+0.3	+2.0	1000 2000	2.614
60	+0.3	+2.3	1000 2000	3.115
65	+0.3	+2.5	1000 2000	3.655
70	+0.3	+2.5	1000 2000	4.227
75	+0.4	+3.0	1000 2000	4.877
80	+0.4	+3.0	1000 2000	5.534
85	+0.5	+3.4	1000 2000	6.268
90	+0.5	+3.4	1000 2000	7.010
100	+0.6	+3.8	1000 2000	8.659
110	+0.7	+4.2	1000 2000	10.484
120	+0.8	+4.6	1000 2000	12.482
125	+0.8	+4.6	1000 2000	13.520
130	+0.9	+5.4	1000 2000	14.698
135	+0.9	+5.4	1000 2000	15.823
140	+0.9	+5.4	1000 2000	16.989
150	+1.0	+5.8	1000 2000	19.509
160	+1.1	+6.3	1000 2000	22.217
170	+1.2	+7.4	1000 2000	25.187
180	+1.2	+7.4	1000 2000	28.160
200	+1.3	+8.5	1000 2000	34.808
225	+1.5	+9.5	1000 2000	44.048
250	+1.5	+9.5	1000 2000	54.122
280	+1.5	+10.0	1000 2000	67.696
300	+1.5	+10.5	1000 2000	77.630
350	+1.5	+12.0	1000 2000	105.516



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) black
---------------	--------------------------------	--------------------------------	--------------------	---------------------

Tubes made of CENTROLEN / PP LF are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%





CENTROLAB HT / PP-HT

High usage temperature, sterilizable and autoclavable

Polypropylene for high temperatures is an innovative compound-material based on polypropylene, which closes the gap between polyolefines and technical thermoplastics through its material properties. PP-HT-plastics distinguish themselves through their outstanding dimensional stability and heat resistance. Special admixtures make our USP class VI certified and successfully by the C.R.I.T.T Institute for sterilisation and decontamination tested polypropylene HT especially suitable for applications with a temperature range up to 140 °C and high mechanical load, e.g. in the medical technology.



Material Properties

Water absorption:	less good
Strength Hardness Toughness:	good
Temperature for usage in air:	good
Dimensional stability Heat distortion temperature:	good
Bond-, Weld- and Machinability:	good
Acid and Chemical resistance:	very good

Product Informationen

Name: Polypropylene high temperatures
Other names: /
Abbreviation ISO 1043: PP-HT
CAS-number: /
Type of polymer: Thermoplastic
Molecular Shapeula: /

Modifications

→ CENTROLAB HT / PP-HT

Field of application

- Medical equipment
- Sterilizing units

CENTROLAB HT / PP-HT

PRODUCT INFORMATION

Trade name: CENTROLAB HT
Abbreviation: PP-HT
Designation: Polypropylene Higher Temperature
Shapes: Rods | Tubes | Sheets | Plates
Colours: White | Black | Desired colours
Density: 0.93 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) white	Weight (kg/m) black
10	+0.1	+0.6	1000 3000	0.079	0.079
15	+0.2	+0.8	1000 3000	0.178	0.178
20	+0.2	+1.2	1000 3000	0.318	0.318
22	+0.2	+1.2	1000 3000	0.382	0.382
25	+0.2	+1.2	1000 3000	0.490	0.490
28	+0.2	+1.2	1000 3000	0.611	0.611
30	+0.2	+1.2	1000 3000	0.699	0.699
32	+0.2	+1.3	1000 3000	0.795	0.795
36	+0.2	+1.3	1000 3000	1.001	1.001
40	+0.2	+1.5	1000 3000	1.237	1.237
45	+0.3	+2.0	1000 3000	1.579	1.579
50	+0.3	+2.0	1000 3000	1.940	1.940
56	+0.3	+2.0	1000 3000	2.421	2.421
60	+0.3	+2.3	1000 3000	2.786	2.786
65	+0.3	+2.5	1000 3000	3.269	3.269
70	+0.3	+2.5	1000 3000	3.780	3.780
75	+0.4	+3.0	1000 3000	4.361	4.361
80	+0.4	+3.0	1000 3000	4.949	4.949
85	+0.5	+3.4	1000 3000	5.605	5.605
90	+0.5	+3.4	1000 3000	6.268	6.268
100	+0.6	+3.8	1000 3000	7.744	7.744
110	+0.7	+4.2	1000 3000	9.375	9.375
120	+0.8	+4.6	1000 3000	11.162	11.162
125	+0.8	+4.6	1000 3000	12.090	12.090
130	+0.9	+5.4	1000 3000	13.144	13.144
135	+0.9	+5.4	1000 3000	14.149	14.149
140	+0.9	+5.4	1000 3000	15.192	15.192
150	+1.0	+5.8	1000 3000	17.446	17.446



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) white	Weight (kg/m) black
---------------	--------------------------------	--------------------------------	--------------------	---------------------	---------------------

Tubes made of CENTROLAB HT / PP-HT are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTROLAB HT / PP-HT

PRODUCT INFORMATION

Trade name: CENTROLAB HT
Abbreviation: PP-HT
Designation: Polypropylene Higher Temperature
Shapes: Rods | Tubes | Sheets | Plates
Colours: White | Black | Desired colours
Density: 0.93 g/cm³

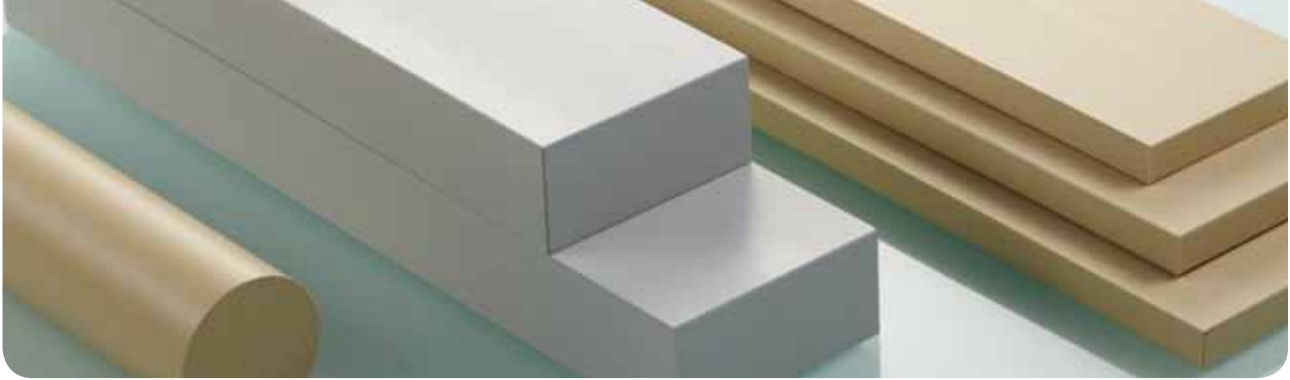


Sheets | Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) white	Weight (kg/m) black
3	-0.20	+0.20	1000	1000 2000	2.903	2.903
4	-0.20	+0.20	1000	1000 2000	3.870	3.870
5	-0.25	+0.25	1000	1000 2000	4.838	4.838
8	+0.2	+1.1	1000	1000 2000	8.369	8.369
10	+0.2	+1.1	610	1000 3000	6.286	6.286
12	+0.3	+1.5	610	1000 3000	7.614	7.614
15	+0.3	+1.5	610	1000 3000	9.384	9.384
20	+0.3	+1.5	610	1000 3000	12.335	12.335
25	+0.3	+1.5	610	1000 3000	15.286	15.286
30	+0.5	+2.5	610	1000 3000	18.591	18.591
35	+0.5	+2.5	610	1000 3000	21.542	21.542
40	+0.5	+2.5	610	1000 3000	24.493	24.493
45	+0.5	+2.5	610	1000 3000	27.445	27.445
50	+0.5	+2.5	610	1000 3000	30.396	30.396
60	+0.5	+3.5	610	1000 3000	36.593	36.593

Additional dimensions are available on request.

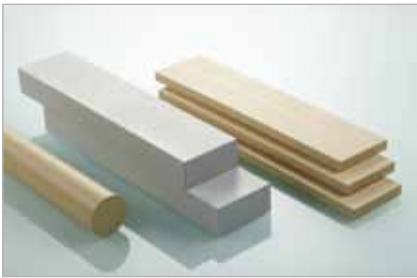
Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)



CENTROPEEK / PEEK

High usage temperature, dimensionally stable

Polyetheretherketone are high performance plastics, which are obtained through linear linking of ring structures with ether (oxygen bridges) and ketone (CO-group). PEEK-plastics possess high strength and very high dimensional stability and belong to the thermoplastic plastics with the best characteristic profiles. Polyetheretherketones can be sterilised with hot steam and are autoclavable. Therefore, they are often used in the medical technology.



Material Properties

Water absorption:	less good
Strength Hardness Toughness:	very good
Temperature for usage in air:	very good
Dimensional stability Heat distortion temperature:	very good
Bond-, Weld- and Machinability:	good
Acid and Chemical resistance:	very good

Product Informationen

Name: Polyetheretherketone
Other names: /
Abbreviation ISO 1043: PEEK
CAS-number: 29658-26-2
Type of polymer: Thermoplastic
Molecular Shapeula: C19H14O3

Modifications

→ CENTROPEEK / PEEK

Field of application

- Insulations
- Sliding bearings

Trade name: CENTROPEEK
Abbreviation: PEEK
Designation: Polyetheretherketone
Shapes: Rods | Plates
Colour: Natural
Density: 1.31 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural
6	+0.1	+0.6	1000 3000	0.042
8	+0.1	+0.7	1000 3000	0.074
10	+0.1	+0.7	1000 3000	0.114
12	+0.2	+0.8	1000 3000	0.164
15	+0.2	+0.8	1000 3000	0.252
16	+0.2	+0.8	1000 3000	0.286
18	+0.2	+0.8	1000 3000	0.359
20	+0.2	+0.8	1000 3000	0.444
22	+0.2	+1.0	1000 3000	0.536
25	+0.2	+1.0	1000 3000	0.688
28	+0.2	+1.0	1000 3000	0.858
30	+0.2	+1.0	1000 3000	0.982
32	+0.2	+1.2	1000 3000	1.120
35	+0.2	+1.2	1000 3000	1.340
36	+0.2	+1.2	1000 3000	1.410
40	+0.2	+1.2	1000 3000	1.740
45	+0.3	+1.3	1000 3000	2.220
50	+0.3	+1.3	1000 3000	2.720
56	+0.3	+1.3	1000 3000	3.400
60	+0.3	+1.6	1000 3000	3.910
65	+0.3	+1.6	1000 3000	4.560
70	+0.3	+1.6	1000 3000	5.310
80	+0.4	+2.0	1000 3000	6.950
90	+0.5	+2.2	1000 3000	8.800
100	+0.6	+2.5	1000 3000	10.860
110	+0.7	+3.0	1000 3000	13.130
120	+0.8	+3.5	1000 3000	15.660
130	+0.9	+3.8	1000 3000	18.200
140	+0.9	+3.8	1000 3000	21.270
150	+1.0	+4.2	1000 3000	24.450



Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural
6	+0.2	+0.7	500	1000 3000	4.450
8	+0.2	+1.1	500	1000 3000	5.960
10	+0.2	+1.1	500	1000 3000	7.340
12	+0.3	+1.5	500	1000 3000	8.890
16	+0.3	+1.5	500	1000 3000	11.640
20	+0.3	+1.5	500	1000 3000	14.400
25	+0.3	+1.5	500	1000 3000	17.840
30	+0.3	+2.5	500	1000 3000	21.710
40	+0.3	+2.5	500	1000 3000	28.640
45	+0.3	+2.5	500	1000 3000	32.040
50	+0.3	+2.5	500	1000 3000	35.450
60	+0.5	+3.5	500	1000 3000	42.750

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)



CENTRO HPM / PPSU | PSU | PEI

Material Properties

Water absorption:	less good
Strength Hardness Toughness:	very good
Temperature for usage in air:	very good
Dimensional stability Heat distortion temperature:	good
Bond-, Weld- and Machinability:	good
Acid and Chemical resistance:	very good

Product Informationen

Name: Polyphethylsulphone
Other names: /
Abbreviation ISO 1043: PPSU
CAS-number: /
Type of polymer: Thermoplastic
Molecular Shapeula: /

Material Properties

Water absorption:	less good
Strength Hardness Toughness:	very good
Temperature for usage in air:	very good
Dimensional stability Heat distortion temperature:	good
Bond-, Weld- and Machinability:	good
Acid and Chemical resistance:	very good

Product Informationen

Name: Polysulfone
Other names: /
Abbreviation ISO 1043: PSU
CAS-number: 25135-51-7
Type of polymer: Thermoplastic
Molecular Shapeula: C27H22O4S

Material Properties

Water absorption:	less good
Strength Hardness Toughness:	very good
Temperature for usage in air:	very good
Dimensional stability Heat distortion temperature:	good
Bond-, Weld- and Machinability:	good
Acid and Chemical resistance:	good

Product Informationen

Name: Polyetherimide
Other names: /
Abbreviation ISO 1043: PEI
CAS-number: 61128-46-9
Type of polymer: Thermoplastic
Molecular Shapeula: C37H24O6N2

Modifications

- CENTRO HPM / PPSU
- CENTRO HPM / PSU
- CENTRO HPM / PEI

Field of application

- Electrical insulators
- Pumps
- Valves

CENTRO HPM / PPSU / PSU / PEI



Rods

PRODUCT INFORMATION

Trade name: CENTRO HPM
Abbreviation: PPSU
Designation: Polyphenylsulphone
Shape: Rods
Colour: Black
Density: 1.29 g/cm³

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) black
12	+0.2	+0.9	1000 3000	0.167
16	+0.2	+0.9	1000 3000	0.288
20	+0.2	+0.9	1000 3000	0.443
25	+0.2	+1.2	1000 3000	0.695
30	+0.2	+1.2	1000 3000	0.985
40	+0.2	+1.6	1000 3000	1.750
50	+0.3	+2.0	1000 3000	2.730



Rods

PRODUCT INFORMATION

Trade name: CENTRO HPM
Abbreviation: PSU
Designation: Polysulphone
Shape: Rods
Colour: Yellow (transparent)
Density: 1.24 g/cm³

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) yellow
10	+0.2	+0.8	1000 3000	0.107
16	+0.2	+0.9	1000 3000	0.272
20	+0.2	+0.9	1000 3000	0.424
30	+0.2	+1.2	1000 3000	0.945
40	+0.2	+1.6	1000 3000	1.670
50	+0.3	+2.0	1000 3000	2.620
60	+0.3	+2.5	1000	3.740
80	+0.4	+3.0	1000	6.670
100	+0.6	+3.8	1000	10.450



Rods

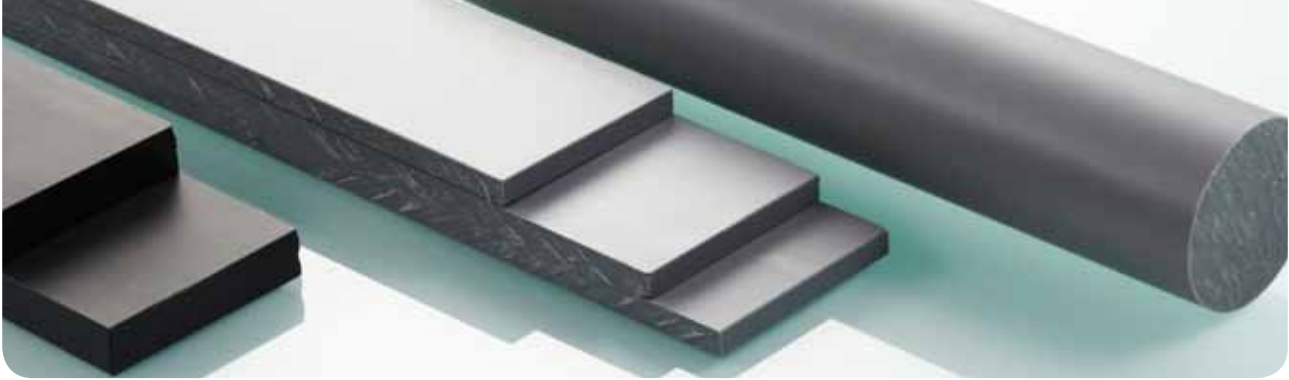
PRODUCT INFORMATION

Trade name: CENTRO HPM
Abbreviation: PEI
Designation: Polyetherimide
Shape: Rods
Colour: Ambre (transparent)
Density: 1.27 g/cm³

Diameter (mm)	Diameter (inch)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) ambre
12.7	1/2	+0.0	+0.10	2440	0.162
25.4	1	+0.0	+0.10	2440	0.648
38.1	1 1/2	+0.0	+0.15	2440	1.459
50.8	2	+0.0	+0.15	2440	2.594
76.2	3	+0.0	+6.50	1220	5.836
101.6	4	+0.0	+6.50	1220	10.369

Additional dimensions are available on request.

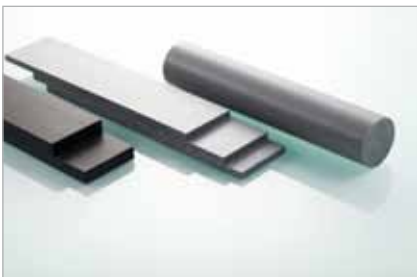
Tolerance length: 0% to +3%



CENTROTRON / PPS

High strength and chemical resistance

Polyphenylene sulphide are sulphurous aromatic high-performance plastics, which are produced from phnylmercaptan. Due to their high long-term temperature application ability of +260 °C and the excellent chemical resistance, they are among the most important high-performance plastics. They are oxidation and hydrolysis resistant and possess a low coefficient of sliding friction. Polyphenylene sulphides are often used in electrical engineering.



Material Properties

Water absorption:	less good
Strength Hardness Toughness:	very good
Temperature for usage in air:	very good
Dimensional stability Heat distortion temperature:	good
Bond-, Weld- and Machinability:	good
Acid and Chemical resistance:	very good

Product Informationen

Name: Polyphenylene sulphide
Other names: Poly(thio-p-phenylene)
Abbreviation ISO 1043: PPS
CAS-number: 26125-40-6 25212-74-2
Type of polymer: Thermoplastic
Molecular Shapeula: C6H4S

Modifications

- CENTROTRON / PPS
- CENTROTRON GF 15 / PPS GF 15
- CENTROTRON GF 40 / PPS GF 40

Field of application

- Exhaust pipes
- Pumps
- Sealing rings

Trade name: CENTROTRON
Abbreviation: PPS
Designation: Polyphenylene sulfide
Shapes: Rods | Tubes | Plates
Colours: Black | Desired colours
Density: 1.35 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) black
20	+0.2	+0.8	1000	0.452
25	+0.2	+1.0	1000	0.705
30	+0.2	+1.0	1000	1.008
36	+0.2	+1.2	1000	1.450
40	+0.2	+1.2	1000	1.783
50	+0.3	+1.3	1000	2.777
60	+0.3	+1.6	1000	3.998
70	+0.3	+1.6	1000	5.417



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) black
---------------	--------------------------------	--------------------------------	--------------------	---------------------

Tubes made of CENTROTRON / PPS are available on request.



Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) black
10	+0.2	+1.1	610	1000	9.124
15	+0.3	+1.5	610	1000	13.622
20	+0.3	+1.5	610	1000	17.906
25	+0.3	+1.5	610	1000	22.190
30	+0.5	+2.5	610	1000	26.988
40	+0.5	+2.5	610	1000	35.555
50	+0.5	+2.5	610	1000	44.123
60	+0.5	+3.5	610	1000	53.118

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)

CENTROTRON GF 15 / PPS GF 15

PRODUCT INFORMATION

Trade name: CENTROTRON GF 15
Abbreviation: PPS GF 15
Designation: Polyphenylene sulfide + 15% glass fibre
Shapes: Rods | Tubes | Plates
Colour: Anthracite
Density: 1.41 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) anthracite
20	+0.2	+0.8	1000	0.472
25	+0.2	+1.0	1000	0.737
30	+0.2	+1.0	1000	1.052
36	+0.2	+1.2	1000	1.514
40	+0.2	+1.2	1000	1.862
50	+0.3	+1.3	1000	2.901
60	+0.3	+1.6	1000	4.176
70	+0.3	+1.6	1000	5.658



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) anthracite
---------------	--------------------------------	--------------------------------	--------------------	--------------------------

Tubes made of CENTROTRON GF 15 / PPS GF 15 are available on request.



Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) anthracite
10	+0.2	+1.1	610	1000	9.530
15	+0.3	+1.5	610	1000	14.228
20	+0.3	+1.5	610	1000	18.702
25	+0.3	+1.5	610	1000	23.176
30	+0.5	+2.5	610	1000	28.187
40	+0.5	+2.5	610	1000	37.135
50	+0.5	+2.5	610	1000	46.084
60	+0.5	+3.5	610	1000	55.479

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)

CENTROTRON GF 40 / PPS GF 40

PRODUCT INFORMATION

Trade name:	CENTROTRON GF 40
Abbreviation:	PPS GF 40
Designation:	Polyphenylene sulfide + 40% glass fibre
Shapes:	Rods Tubes Plates
Colour:	Black
Density:	1.65 g/cm ³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) black
20	+0.2	+0.8	1000	0.553
25	+0.2	+1.0	1000	0.862
30	+0.2	+1.0	1000	1.232
36	+0.2	+1.2	1000	1.772
40	+0.2	+1.2	1000	2.179
50	+0.3	+1.3	1000	3.394
60	+0.3	+1.6	1000	4.886
70	+0.3	+1.6	1000	6.621



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) black
---------------	--------------------------------	--------------------------------	--------------------	---------------------

Tubes made of CENTROTRON GF 40 / PPS GF 40 are available on request.



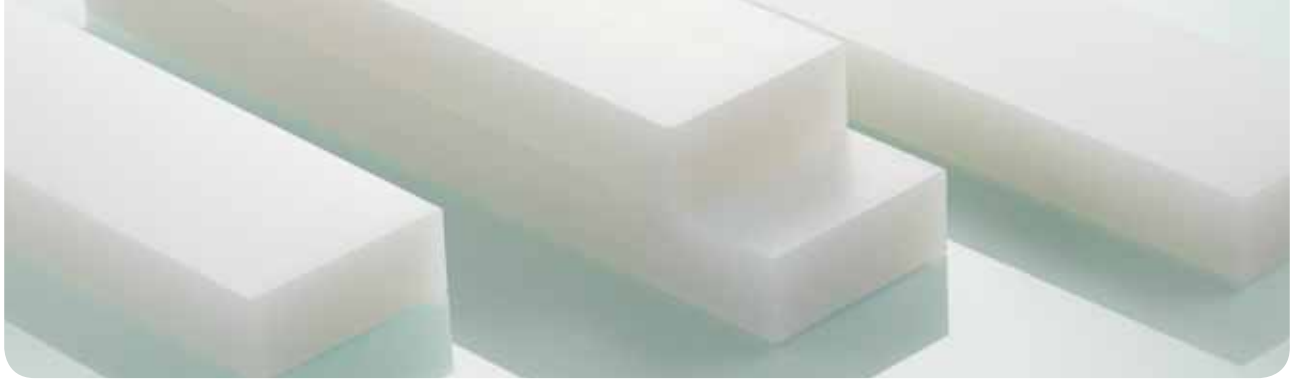
Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) black
10	+0.2	+1.1	610	1000	11.152
15	+0.3	+1.5	610	1000	16.649
20	+0.3	+1.5	610	1000	21.885
25	+0.3	+1.5	610	1000	27.121
30	+0.5	+2.5	610	1000	32.985
40	+0.5	+2.5	610	1000	43.456
50	+0.5	+2.5	610	1000	53.928
60	+0.5	+3.5	610	1000	64.923

Additional dimensions are available on request.

Tolerance length:	0% to +3%
Tolerance width:	+0.5% to +4%
	Standard item (available from stock)





CENTROFLON / PVDF

High acid and chemical resistance

Polyvinylidene-fluorides are semi-fluoride thermoplastics, in which the standard hydrogen atoms of carbon main-chain are partially (57%) replaced by fluorine atoms. PVDF-plastics combine excellent mechanical, thermal and electrical characteristics with outstanding chemical resistance. Based on their versatile possibilities of use in different temperature ranges, polyvinylide fluorides are often used in medical technology.



Material Properties

Water absorption:	less good
Strength Hardness Toughness:	good
Temperature for usage in air:	very good
Dimensional stability Heat distortion temperature:	good
Bond-, Weld- and Machinability:	good
Acid and Chemical resistance:	very good

Product Informationen

Name: Polyvinylidene fluoride
Other names: /
Abbreviation ISO 1043: PVDF
CAS-number: 24937-79-9
Type of polymer: Thermoplastic
Molecular Shapeula: C ₂ H ₂ F ₂

Modifications

→ CENTROFLON / PVDF

Field of application

- Flanges
- Valve bodies

CENTROFLON / PVDF

PRODUCT INFORMATION

Trade name: CENTROFLON
Abbreviation: PVDF
Designation: Polyvinylidene fluoride
Shapes: Rods | Tubes | Plates
Colour: Natural
Density: 1.78 g/cm³



Rods

Diameter (mm)	Tolerance diameter (mm)		Stock lengths (mm)	Weight (kg/m) natural
10	+0.1	+0.7	1000 3000	0.153
12	+0.2	+0.8	1000 3000	0.222
15	+0.2	+0.8	1000 3000	0.341
16	+0.2	+0.8	1000 3000	0.386
18	+0.2	+0.8	1000 3000	0.486
20	+0.2	+0.8	1000 3000	0.596
22	+0.2	+1.0	1000 3000	0.725
25	+0.2	+1.0	1000 3000	0.930
28	+0.2	+1.0	1000 3000	1.161
30	+0.2	+1.0	1000 3000	1.329
32	+0.2	+1.2	1000 3000	1.517
36	+0.2	+1.2	1000 3000	1.911
40	+0.2	+1.2	1000 3000	2.351
45	+0.3	+1.3	1000 3000	2.977
50	+0.3	+1.3	1000 3000	3.662
56	+0.3	+1.3	1000 3000	4.578
60	+0.3	+1.6	1000 3000	5.271
65	+0.3	+1.6	1000 3000	6.172
70	+0.3	+1.6	1000 3000	7.143
75	+0.4	+2.0	1000 3000	8.239
80	+0.4	+2.0	1000 3000	9.356
85	+0.5	+2.2	1000 3000	10.580
90	+0.5	+2.2	1000 3000	11.841
95	+0.6	+2.5	1000 3000	13.228
100	+0.6	+2.5	1000 3000	14.633
110	+0.7	+3.0	1000 3000	17.752
115	+0.8	+3.5	1000 3000	19.474
120	+0.8	+3.5	1000 3000	21.172
125	+0.8	+3.5	1000 3000	22.941
130	+0.9	+3.8	1000 3000	24.856
140	+0.9	+3.8	1000 3000	28.754
150	+1.0	+4.2	1000 3000	33.043
160	+1.1	+4.5	1000 3000	37.608
165	+1.2	+5.0	1000 3000	40.097
180	+1.2	+5.0	1000 3000	47.572
200	+1.3	+5.5	1000 3000	58.705



Tubes

Diameter (mm)	Tolerances outer diameter (mm)	Tolerances inner diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural
---------------	--------------------------------	--------------------------------	--------------------	-----------------------

Tubes made of CENTROFLON / PVDF are available on request.

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Standard item (available from stock)

CENTROFLON / PVDF

PRODUCT INFORMATION

Trade name: CENTROFLON
Abbreviation: PVDF
Designation: Polyvinylidene fluoride
Shapes: Rods | Tubes | Plates
Colour: Natural
Density: 1.78 g/cm³



Plates

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural
10	+0.2	+1.1	500	1000 3000	9.861
10	+0.2	+1.1	610	1000 3000	12.031
12	+0.3	+1.5	500	1000 3000	11.945
12	+0.3	+1.5	610	1000 3000	14.572
15	+0.3	+1.5	500	1000 3000	14.722
15	+0.3	+1.5	610	1000 3000	17.961
20	+0.3	+1.5	500	1000 3000	19.352
20	+0.3	+1.5	610	1000 3000	23.609
25	+0.3	+1.5	500	1000 3000	23.982
25	+0.3	+1.5	610	1000 3000	29.258
30	+0.5	+2.5	500	1000 3000	29.167
30	+0.5	+2.5	610	1000 3000	35.584
35	+0.5	+2.5	500	1000 3000	33.797
35	+0.5	+2.5	610	1000 3000	41.232
40	+0.5	+2.5	500	1000 3000	38.426
40	+0.5	+2.5	610	1000 3000	46.880
45	+0.5	+2.5	500	1000 3000	43.056
45	+0.5	+2.5	610	1000 3000	52.528
50	+0.5	+2.5	500	1000 3000	47.686
50	+0.5	+2.5	610	1000 3000	58.176
60	+0.5	+3.5	500	1000 3000	57.408
60	+0.5	+3.5	610	1000 3000	70.038
70	+0.5	+3.5	500	1000 3000	66.667
70	+0.5	+3.5	610	1000 3000	81.334
80	+0.5	+5.0	610	1000 3000	93.478
90	+0.5	+5.0	610	1000 3000	104.774
100	+0.5	+5.0	610	1000 3000	116.070

Additional dimensions are available on request.

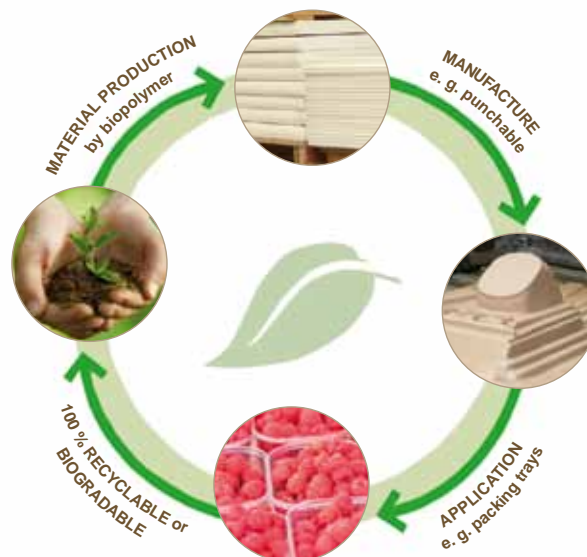
Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%
 Standard item (available from stock)



CENTROPLAST BC / BC NF

CO₂-neutral and biodegradable

CENTROPLAST BC is made of CO₂-neutral, sustainable raw-materials. CENTROPLAST BC NF 15 additionally contains 15% natural fibre. Both biopolymer raw-materials, with the characteristics of thermoplastics are 100% recyclable and completely biodegradable by composting according to DIN EN 13432. This innovation in engineering plastics offers extensive application possibilities for environmentally aware companies.



Material Properties

Water absorption:	less good
Strength Hardness Toughness:	good
Temperature for usage in air:	less good
Dimensional stability Heat distortion temperature:	good
Bond-, Weld- and Machinability:	good
Acid and Chemical resistance:	less good

Modifications

- CENTROPLAST BC / BC
- CENTROPLAST BC NF / BC NF 15

Product Informationen

Name: Biopolymer Blend
Other names: /
Abbreviation ISO 1043: BC
CAS-number: /
Type of polymer: Biopolymer
Molecular Shapeula: /

Field of application

- Product carrier
- Trays

CENTROPLAST BC / BC NF

PRODUCT INFORMATION



Rods

Trade name: CENTROPLAST BC
Abbreviation: BC
Designation: Biopolymer Blend
Shape: Sheets
Colour: Natural
Density: 1.33 g/cm³

Diameter (mm)	Tolerance diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural
---------------	-------------------------	--------------------	-----------------------

Rods made of CENTROPLAST BC / BC are available on request.



Sheets

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural
0.8	-0.10	+0.10	1000	1000 2000	1.107
1.0	-0.10	+0.10	1000	1000 2000	1.384
2.0	-0.15	+0.15	1000	1000 2000	2.767
3.0	-0.20	+0.20	1000	1000 2000	4.151
4.0	-0.20	+0.20	1000	1000 2000	5.535
5.0	-0.25	+0.25	1000	1000 2000	6.918
6.0	-0.25	+0.25	1000	1000 2000	8.302

PRODUCT INFORMATION



Rods

Trade name: CENTROPLAST BC NF
Abbreviation: BC NF 15
Designation: Biopolymer Blend + 15% Natural fibre
Shape: Sheets
Colour: Natural
Density: 1.30 g/cm³

Diameter (mm)	Tolerance diameter (mm)	Stock lengths (mm)	Weight (kg/m) natural
---------------	-------------------------	--------------------	-----------------------

Rods made of CENTROPLAST BC NF / BC NF 15 are available on request.



Sheets

Thickness (mm)	Tolerance thickness (mm)		Width (mm)	Stock lengths (mm)	Weight (kg/m) natural
0.8	-0.10	+0.10	1000	1000 2000	1.082
1.0	-0.10	+0.10	1000	1000 2000	1.352
2.0	-0.15	+0.15	1000	1000 2000	2.705
3.0	-0.20	+0.20	1000	1000 2000	4.057
4.0	-0.20	+0.20	1000	1000 2000	5.410
5.0	-0.25	+0.25	1000	1000 2000	6.762
6.0	-0.25	+0.25	1000	1000 2000	8.115

Additional dimensions are available on request.

Tolerance length: 0% to +3%
 Tolerance width: +0.5% to +4%

MATERIAL DATABASE

Properties / Product range		Method of verification	Unit	CENTRODAL C / POM C	CENTRODAL C FG / POM C FG	CENTRODAL W / POM W	CENTRODAL H / POM H	CENTRODAL GL / POM + PE	CENTRODAL TF / POM + PTFE	CENTRODAL GF / POM GF 30	CENTRODAL LF / POM LF
				natural / black / desired colours	natural / ultramarine blue / traffic blue	natural	natural / black / desired colours	light blue	natural / desired colours	natural / black	black
physical properties	Density	ISO 1183	g/cm ³	1.41	1.41	1.41	1.42	1.35	1.52	1.60	1.45
	Moisture pick-up till saturation (in normal climate 23 °C)	ISO 62	%	0.20	0.20	0.20	0.20	0.20	0.20	0.17	0.20
	Water absorption till saturation (in water at 23 °C)	ISO 62	%	0.80	0.80	0.80	0.85	0.80	0.65	0.90	0.70
	Food compliance	EU-VO 10/2011 FDA		yes yes ⁽³⁾	yes ⁽⁴⁾ yes	yes yes	yes no ⁽³⁾	yes yes	yes yes ⁽³⁾	no no	no no
mechanical properties	Tensile stress at yield [v = 50 mm/min]	ISO 527-2	MPa	63	63	63	78	43	48	135	63
	Tensile stress at break [v = 5 mm/min]	ISO 527-2	MPa	63	63	63	-	-	-	-	-
	Nominal percentage elongation at break	ISO 527-2	%	31	31	31	35	15	16	4	17
	Tensile modulus of elasticity	ISO 527-2	MPa	2600	2600	2600	3600	2200	2500	9200	2800
	Flexural modulus of elasticity	ISO 178	MPa	2500	2500	2500	-	2000	2400	7800	2700
	Ball indentation hardness (value at 30 sec.)	ISO 2039-1	MPa	140	140	140	160	110	120	200	147
	Rockwell hardness (measured with pieces 10 mm thick)	ISO 2039-2		M 84	M 84	M 84	M 88	-	-	-	M 97
	Charpy impact strength (+23 °C)	ISO 179/1eU	kJ/m ²	220	220	220	≥200	50	60	30	120
	Charpy impact strength - notched (+23 °C)	ISO 179/1eA	kJ/m ²	8	8	8	10	5	4	8	5.5
electric properties	Specific insulation resistance [≥]	IEC 60093	Ohm · m	10 ¹³	10 ¹³	10 ¹³	10 ¹⁴	10 ¹³	10 ¹³	10 ¹³	10 ³
	Specific surface resistance [≥]	IEC 60093	Ohm	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹⁴	10 ¹²	10 ²
	Dielectric constant at 1 MHz ⁽²⁾	IEC 60250	10 ⁶ Hz	3.8	3.8	3.8	3.8	3.8	3.7	4.3	-
	Dielectric constant at 100 Hz ⁽²⁾	IEC 60250	10 ² Hz	3.8	3.8	3.8	3.8	3.8	3.7	4.3	-
	Dissipation factor at 1 MHz ⁽²⁾	IEC 60250	10 ⁶ Hz	0.008	0.008	0.008	0.008	0.007	0.008	0.006	-
	Dissipation factor at 100 Hz ⁽²⁾	IEC 60250	10 ² Hz	0.003	0.003	0.003	0.003	0.002	0.002	0.003	-
	Dielectric strength K20/K20 (in transformer oil)	IEC 60243-1	kV/mm	20	20	20	20	50	60	40	-
	Comparative tracking index (CTI)	IEC 60112		600	600	600	600	-	-	-	-
thermal properties	Temperature for usage in air (max. for a short time)		°C	140	140	140	150	140	150	140	140
	Temperature for usage in air (max. last)		°C	105	105	105	105	100	105	100	100
	Minium service temperature in air		°C	-40	-40	-40	-50	-40	-20	-	-20
	heat distortion temperature (HDT A - bending temperature under stress 1.8 MPa)	ISO 75-2	°C	96	96	96	115	84	98	160	100
	Coefficient of linear expansion (at length 23 - 60 °C)	ISO 11359	10 ⁻⁴ /K	1.1	1.1	1.1	0.95	1.4	1.2	0.4	1.1
	Thermal conductivity (+23 °C)	DIN 52612	W/(K*m)	0.31	0.31	0.31	0.31	-	0.25	-	0.30
	Flammability according UL standard (thickness 3 und 6 mm)	UL 94	class	HB	HB	HB	HB	HB	HB	HB	HB
	Vicat softening temperature (VST/B/50)	ISO 306	°C	150	150	150	-	140	145	158	150
	Melting point (DSC. 10 K/min)	ISO 3146	°C	165	165	165	175	166	166	166	166

(2) at thickness 1.6 mm

(3) approval for non-natural colors available on request

(4) also tested for semi-finished plastics

n.br. = no break

n.a. = not applicable

o.r. = on request

CENTRODAL MD / POM MD dark blue	CENTROGUARD / POM CG natural	CENTROLYTE / PET natural / black / desired colours	CENTROLYTE FG / PET FG natural	CENTROLYTE ZX / PET ZX light grey	CENTROMID 6 E / PA 6 E natural / black / desired colours	CENTROMID 6 E FG / PA 6 E FG natural	CENTROMID 6 G / PA 6 Cast natural / black	CENTROMID 6 GF / PA GF 30 black	CENTROMID 6.6 / PA 6.6 natural / black / desired colours	CENTROMID 6.6 FG / PA 6.6 FG natural	CENTROMID 6.6 GL / PA 6.6 + PE natural / desired colours	CENTROMID 6.6 GF / PA 6.6 GF 30 black	CENTROMID 12 / PA 12 natural / black / desired colours	CENTROMID 12 GF / PA 12 GF 30 natural
1.78	1.41	1.39	1.39	1.45	1.14	1.14	1.15	1.34	1.14	1.14	1.11	1.34	1.04	1.23
-	0.20	0.30	0.30	0.23	2.50	2.50	2.30	2.10	2.40	2.40	2.20	1.70	0.70	0.60
<0.1	0.80	0.50	0.50	0.47	9.00	9.00	6.50	6.60	8.00	8.00	8.50	5.50	1.50	1.10
yes yes	yes yes	yes yes ⁽³⁾	yes yes ⁽⁴⁾	yes yes	yes yes ⁽³⁾	yes yes ⁽⁴⁾	yes yes ⁽³⁾	no no	yes yes ⁽³⁾	yes yes ⁽⁴⁾	no no	no no	yes yes ⁽³⁾	no no
52	63	90	90	-	76	76	85	120	90	90	70	-	40	-
48	63	-	-	76	-	-	-	-	-	-	-	100	-	105
16	31	15	15	7	>50	>50	25	-	>40	>40	>40	5	>50	8
3200	2600	3600	3600	3450	3250	3250	3500	8700	3100	3100	2700	5900	1300	6000
1900	2500	-	-	-	-	-	-	-	2800	2800	-	-	-	-
148	140	170	170	160	150	150	165	200	160	160	-	165	-	120
-	M 84	M 95	M 95	M 94	M 85	M 85	M 88	-	M 88	M 88	-	M 76	M 80	-
60	220	>50	>50	>30	n.Br.	n.Br.	n.Br.	>50	n.Br.	n.Br.	40	>50	n.Br.	80
-	8	3	3	2.5	5.5	5.5	3.5	5	6	6	6	6	10	20
-	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹¹	10 ¹¹
>10 ¹²	10 ¹³	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹²	10 ¹²
-	3.8	3.2	3.2	3.2	3.3	3.3	3.2	-	3.3	3.3	3.3	-	3.6	4
-	3.8	3.4	3.4	3.4	3.9	3.9	3.6	-	3.8	3.8	3.8	-	-	-
-	0.008	0.014	0.014	0.014	0.021	0.021	0.016	-	0.020	0.020	0.020	-	0.026	0.04
-	0.003	0.001	0.001	0.001	0.019	0.019	0.012	-	0.013	0.013	0.013	-	-	-
-	20	22	22	21	25	25	25	-	27	27	27	-	32	35
-	600	600	600	600	600	600	600	-	600	600	600	-	600	600
120	140	160	160	160	160	160	170	180	180	180	210	240	150	150
100	105	115	115	115	85	85	105	100	95	95	105	120	95	105
-	-40	-20	-20	-20	-40	-40	-30	-20	-30	-30	-	-20	-	-
105	96	75	75	75	70	70	80	210	85	85	60	150	50	50
-	1.1	0.6	0.6	0.65	0.9	0.9	0.8	0.26	0.8	0.8	0.85	0.5	1.2	0.2
0.38	0.31	0.27	0.27	0.29	0.28	0.28	0.29	0.28	0.28	0.28	0.33	0.30	0.23	0.16
HB	HB	HB	HB	HB	HB	HB	HB	HB	V2 ⁽²⁾	V2 ⁽²⁾	HB	HB	HB	-
155	150	-	-	-	-	-	-	-	-	-	-	-	-	-
165	165	255	255	255	220	220	220	220	260	260	260	255	260	178

MATERIAL DATABASE

Properties / Product range		Method of verification	Unit	CENTROMID 12 W / PA 12 soft	CENTROMID 12 LE / PA 12 LE soft	CENTROCARB / PC	CENTROCARB GF / PC GF 30	CENTROPHEN / PPE	CENTROPHEN GF / PPE GF 30	CENTROSOL / ABS	CENTROLEN / PE-HD
				natural	natural	colourless (transparent)	natural	grey	natural	natural / desired colours	natural / black / desired colours
physical properties	Density	ISO 1183	g/cm ³	1.03	1.00	1.20	1.43	1.06	1.30	1.05	0.96
	Moisture pick-up till saturation (in normal climate 23 °C)	ISO 62	%	0.50	0.60	0.15	0.08	0.06	0.06	0.20	-
	Water absorption till saturation (in water at 23 °C)	ISO 62	%	1.00	1.10	0.35	0.20	0.23	0.20	1.00	0.01
	Food compliance	EU-VO 10/2011 FDA		no no	yes no	yes yes	no no	yes yes	no no	o.r. o.r.	yes ⁽³⁾ yes ⁽³⁾
mechanical properties	Tensile stress at yield [v = 50 mm/min]	ISO 527-2	MPa	25	20	70	-	55	-	55	30
	Tensile stress at break [v = 5 mm/min]	ISO 527-2	MPa	-	30	-	55	-	100	40	-
	Nominal percentage elongation at break	ISO 527-2	%	>50	>50	>50	4	30	1.5	5	>50
	Tensile modulus of elasticity	ISO 527-2	MPa	400	350	2400	5000	2300	8000	2600	1000
	Flexural modulus of elasticity	ISO 178	MPa	-	-	2400	4700	2200	6000	2500	-
	Ball indentation hardness (value at 30 sec.)	ISO 2039-1	MPa	64	-	120	150	100	130	98	50
	Rockwell hardness (measured with pieces 10 mm thick)	ISO 2039-2		-	-	M 75	-	-	-	M 114	-
	Charpy impact strength (+23 °C)	ISO 179/1eU	kJ/m ²	n.Br.	n.Br.	n.Br.	45	-	25	-	n.Br.
	Charpy impact strength - notched (+23 °C)	ISO 179/1eA	kJ/m ²	n.Br.	n.Br.	9	8	15	8-10	25	-
electric properties	Specific insulation resistance [≥]	IEC 60093	Ohm · m	10 ¹⁰	10 ¹⁰	10 ¹³	10 ¹⁴	10 ¹⁵	10 ¹⁵	10 ¹⁵	10 ¹³
	Specific surface resistance [≥]	IEC 60093	Ohm	10 ¹²	10 ¹²	10 ¹⁵	10 ¹⁶	10 ¹⁵	10 ¹⁵	10 ¹⁵	10 ¹³
	Dielectric constant at 1 MHz ⁽²⁾	IEC 60250	10 ⁶ Hz	3.8	-	2.9	3.5	2.7	2.9	2.6	2.3
	Dielectric constant at 100 Hz ⁽²⁾	IEC 60250	10 ² Hz	-	-	3.0	3.6	-	-	-	2.3
	Dissipation factor at 1 MHz ⁽²⁾	IEC 60250	10 ⁶ Hz	-	-	0.009	0.008	0.001	0.001	0.008	0.0002
	Dissipation factor at 100 Hz ⁽²⁾	IEC 60250	10 ² Hz	-	-	0.006	0.001	-	-	-	0.0002
	Dielectric strength K20/K20 (in transformer oil)	IEC 60243-1	kV/mm	31	43	29	36	19	18	18	45
	Comparative tracking index (CTI)	IEC 60112		575	575	225	175	175	250	600	600
thermal properties	Temperature for usage in air (max. for a short time)		°C	125	130	130	140	105	-	-	120
	Temperature for usage in air (max. last)		°C	75	80-100	120	120	90	-	-	80
	Minium service temperature in air		°C	-	-	-60	-	-	-	-	-75
	heat distortion temperature (HDT A - bending temperature under stress 1.8 MPa)	ISO 75-2	°C	165	40	130	135	115	140	80	45
	Coefficient of linear expansion (at length 23 - 60 °C)	ISO 11359	10 ⁻⁴ /K	-	1	0.65	0.4	0.22	0.28	0.2	2.0
	Thermal conductivity (+23 °C)	DIN 52612	W/(K*m)	-	-	0.21	0.24	0.22	0.28	0.2	0.37
	Flammability according UL standard (thickness 3 und 6 mm)	UL 94	class	-	HB	HB	V2	HB	HB	HB	HB
	Vicat softening temperature (VST/B/50)	ISO 306	°C	-	-	150	148	135	145	101	80
	Melting point (DSC. 10 K/min)	ISO 3146	°C	171	178	-	-	290	290	235	130-135

(2) at thickness 1.6 mm

(3) approval for non-natural colors available on request

(4) also tested for semi-finished plastics

n.br. = no break

n.a. = not applicable

o.r. = on request

CENTROLEN / PE-UHMW natural / desired colours	CENTROLEN/PP-H natural / grey / desired colours	CENTROLEN / PPs middle grey	CENTROLEN / PP GF 30 natural	CENTROLEN / PP LF black	CENTROLAB HT / PP-HT white / black / desired colours	CENTRPEEK / PEEK natural	CENTRO HPM / PPSU black	CENTRO HPM / PSU yellow (transparent)	CENTRO HPM / PEI ambre (transparent)	CENTROTRON / PPS black	CENTROTRON GF 15 / PPS GF 15 anthracite	CENTROTRON GF 40 / PPS GF 40 black	CENTROFLON / PVDF natural	CENTROPLAST BC / BC natural	CENTROPLAST BC NF / BC NF 15 natural
0.94	0.91	0.92	1.15	1.04	0.93	1.31	1.29	1.24	1.27	1.35	1.41	1.65	1.78	1.33	1.30
-	-	-	-	-	-	0.20	0.60	0.40	0.75	-	-	-	0.04	-	1.80
0.01	0.01	-	0.10	<0.20	-	0.45	1.20	0.85	1.35	0.02	0.02	-	0.04	-	-
yes ⁽³⁾ yes ⁽³⁾	yes ⁽³⁾ yes ⁽³⁾	no no	no no	no no	yes ⁽³⁾ yes ⁽³⁾	yes yes	yes no	yes yes	yes yes	o.r. o.r.	no no	no yes	no yes	yes yes	/
20	30	30	85	-	33	110	76	80	105	-	-	-	50	38	-
-	-	-	-	-	-	-	-	-	-	90 ⁽⁴⁾	86 ⁽⁴⁾	185 ⁽⁴⁾	-	31	33
>50	>50	10	3	-	25	20	10	10	10	8	2.2	1.9	>50	14	2.9
800	1300	1300	6500	1450	1400	4400	2500	2700	3400	3500	5000	-	2000	1600	2800
-	-	-	5500	-	1150	-	-	-	-	4200	5100	14000	-	-	2600
40	67	62	110	-	-	230	-	155	170	-	-	-	100	-	100
-	-	-	-	-	-	M 105	M 80	M 91	M 114	M 90	-	-	M 75	-	-
n.Br.	n.Br.	n.Br.	40	n.Br.	8	n.Br.	n.Br.	n.Br.	n.Br.	-	48	-	n.Br.	60	15
-	9	10	9	32	6	3.5	10	4	3.5	-	14	10	6	-	3
10 ¹²	10 ¹²	10 ¹²	10 ¹²	<10 ³	-	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²	-	10 ¹³
10 ¹³	10 ¹³	10 ¹⁵	-	<10 ³	-	10 ¹³	10 ¹³	10 ¹³	10 ¹³	10 ¹⁵	10 ¹⁵	10 ¹⁵	10 ¹³	-	10 ¹²
3.0	-	2.3	-	-	-	3.6	3.5	3.0	3.0	4.6	-	-	6	-	-
2.3	-	-	-	-	2.3	3.2	3.4	3.0	3.0	-	-	-	7.5	-	-
0.0010	-	0.0012	-	-	-	0.002	0.005	0.003	0.002	0.001	-	-	0.165	-	-
0.0004	-	-	-	-	0.0004	0.001	0.001	0.001	0.002	-	-	-	0.025	-	-
45	-	-	-	-	>80	24	-	30	27	-	-	-	20	-	-
600	600	600	-	-	≥600	150	-	150	175	-	-	-	600	-	-
120	130	130	140	-	140	310	210	180	200	260	240	260	160	70	-
80	100	100	100	-	105	250	180	150	170	200	180	210	150	60	-
-200	2	-	-	-	-30	-	-	-	-	-	-	-	-	-	-
42	54	55	140	-	80	160	200	170	190	115	-	-	105	62	-
2.0	0.22	0.17	0.28	-	0.86	0.5	0.55	0.26	0.22	-	-	-	1.2	-	-
0.41	0.22	0.17	0.28	-	-	0.25	0.35	0.26	0.22	-	-	-	0.19	-	-
HB	HB	V2	HB	HB	HB	V0	V0	HB	V0	V0	V0	V0	V0	-	-
80	90	85	130	-	98	-	-	-	-	-	-	-	-	120	-
135	165	165	165	-	166	340	n.a.	n.a.	n.a.	-	-	-	169	-	152

COMPARISON OF MATERIAL PROPERTIES

Properties / Product range	CENTRODAL C / POM C	CENTRODAL C FG / POM C FG	CENTRODAL W / POM W	CENTRODAL H / POM H	CENTRODAL GL / POM + PE	CENTRODAL TF / POM + PTFE	CENTRODAL GF / POM GF 30	CENTRODAL LF / POM LF	CENTRODAL MD / POM MD	CENTROGUARD / POM CG	CENTROLYTE / PET	CENTROLYTE FG / PET FG	CENTROLYTE ZX / PET ZX	CENTROMID 6 E / PA 6 E	CENTROMID 6 E FG / PA 6 E FG	CENTROMID 6 G / PA 6 Guss	CENTROMID 6 GF / PA 6 GF 30	CENTROMID 6.6 / PA 6.6	CENTROMID 6.6 FG / PA 6.6 FG	CENTROMID 6.6 GL / PA 6.6 + PE
Moisture absorption Water absorption	+	+	+	+	+	+	+	+	+	+	+	+	+	+++	+++	+++	+++	+++	+++	+++
Strength Hardness	+++	+++	+++	+++	+++	+++	+++	+++	+++	+++	+++	+++	+++	++	++	++	+++	+++	+++	+++
Toughness Elasticity	++	++	++	++	++	++	++	++	++	++	++	++	++	+++	+++	+++	++	++	++	++
Electric conductivity	+	+	+	+	+	+	++	+++	++	+	+	+	+	+	+	++	+	+	+	+
Upper temperature for usage in air	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++
Lower temperature for usage in air	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++
Dimensional stability	++	++	++	++	++	++	++	++	++	++	+++	+++	+++	++	++	++	++	++	++	++
Heat distortion temperature	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++
Machinability	+++	+++	+++	+++	+++	+++	++	++	++	+++	+++	+++	+++	++	++	+++	+++	++	++	++
Weldability	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++
Bondability	++	++	++	++	++	++	++	++	++	++	++	++	++	+++	+++	+++	+++	+++	+++	+++
Acid- und chemical resistance	++	++	++	++	++	++	++	++	++	++	+++	+++	+++	++	++	++	++	++	++	++

+++ = most suitable
 ++ = suitable
 + = less suitable

CENTROMID 6.6 GF / PA 6.6 GF 30	CENTROMID 12 / PA 12	CENTROMID 12 GF / PA 12 GF 30	CENTROMID 12 W / PA 12 weich	CENTROMID 12 LE W / PA 12 LE weich	CENTROCARB / PC	CENTROCARB GF / PC GF 30	CENTROPHEN / PPE	CENTROPHEN GF / PPE GF 30	CENTROSOL / ABS	CENTROLEN / PE-HD	CENTROLEN / PE-UHMW	CENTROLEN / PP-H	CENTROLEN / PPs	CENTROLEN / PP GF 30	CENTROLEN / PP LF	CENTROLAB HT / PP-HT	CENTROPEEK / PEEK	CENTRO HPM / PPSU	CENTRO HPM / PSU	CENTRO HPM / PEI	CENTROTRON / PPS	CENTROTRON GF 15 / PPS GF 15	CENTROTRON GF 40 / PPS GF 40	CENTROFLON / PVDF	CENTROPLAST BC / BC	CENTROPLAST BC NF / BC NF 15	
+++	++	++	++	++	++	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
+++	++	+++	+	+	+++	+++	+++	+++	++	+	+	+	+	++	+	++	+++	+++	+++	+++	+++	+++	+++	+++	++	++	++
++	+++	++	+	+	++	++	++	++	+	++	++	++	++	+++	++	++	+++	++	++	++	++	+++	+++	++	+	++	++
++	+	++	+	+	+	++	+	++	+	+	+	+	+	++	+++	+	+	+	+	+	+	++	++	+	++	++	++
++	++	++	+	+	++	++	++	++	+	+	+	+	+	+	+	+	+++	+++	+++	+++	+++	+++	+++	+++	+	+	+
++	++	++	+	+	+++	+++	+++	+++	++	+++	+++	+	++	++	++	++	+++	++	++	++	++	+++	+++	++	+	+	+
++	++	++	+	+	++	++	++	++	+	+	+	+	+	++	+	++	+++	+++	+++	+++	+++	+++	+++	+++	++	++	++
++	++	++	+	+	++	++	++	++	+	+	+	+	+	+	+	++	+++	+++	+++	+++	+++	+++	+++	+++	+	+	+
+++	+++	+++	+	+	++	++	+++	+++	+++	+++	+++	++	++	++	++	+++	+++	++	++	++	++	++	++	+++	+++	+++	+++
+	++	++	++	++	++	++	++	++	++	+++	+++	+++	+++	++	++	++	++	++	++	++	++	+	++	++	++	+	+
+++	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	++	++	++	++	++	++	++	+	+	+	+
+++	+++	+++	+++	+++	++	++	++	++	++	++	++	+++	+++	+++	+++	+++	+++	++	++	++	++	++	++	+++	+	+	+

CHEMICAL RESISTANCE

Chemicals / Product Range	Conc. [%]	CENTRODAL C / POM C	CENTRODAL C FG / POM C FG	CENTRODAL W / POM W	CENTRODAL GL / POM + PE	CENTROLYTE / PET	CENTROLYTE FG / PET FG	CENTROMID 6 E / PA 6 E	CENTROMID 6 E FG / PA 6 E FG	CENTROMID 6 GF / PA 6 GF 30	CENTROMID 6.6 / PA 6.6	CENTROMID 6.6 FG / PA 6.6 FG	CENTROMID 12 / PA 12	CENTROMID 12 GF / PA 12 GF 30	CENTROCARB / PC	CENTROCARB GF / PC GF 30	CENTROPHEN / PPE	CENTROSOL / ABS	CENTROLAB HT / PP-HT	CENTROLEN / PE-HD	CENTROLEN / PE-UHMW	CENTROLEN / PP-H	CENTROFLON / PVDF
		Acetamide	50	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓
Acetone		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✓	✓	✓	✓	✓
Formic acid	10	✗	✗	✗	✓	✓	✓	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ammonia	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗		✓	✓	✓	✓	✓	✓
Anon							✓	✓	✓	✓	■	■	✓	■	■	✗				✓	■	■	■
Ethanol	96	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ethyl aether		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✓	■	✓	✓	✓
Ethylen chloride		✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	■	✓	✓	✗	✗	■	■	■		✗	✓
Petrol		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	■	✗	✗	■	■	✓	■	✓
Benzene		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	■	■	✓	■	✓
Bitumen		✓	✓	✓	✓			■	■	■	✓	✓	■	✓	✓	✗			■	■	✓	✓	✓
Boric acid	10	✗	✗	✗	✗	✓	✓	■	■	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Butyl acetate		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	■	■	✓	■	✓	✓	✓
Butylene glycol					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓		✓	✓
Calcium chloride	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Chorobenzene		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✓	■
Chloroform		✗	✗	✗	✗	✓	✓	✗	✗	■	✓	✓	✗	✓	✓	✗	✗	✗	✗	✗	✗	✓	■
Citric acid	10	■	■	■	■	✓	✓	■	■	■	✓	✓	■	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Clophen A60	50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓			
Cyclohexane		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	■	✓		✓	✓
Cyclohexanone		✓	✓	✓	✓	■	■	✓	✓	✓	■	■	■	■	■	■	✓		■	✓		■	■
Decalin		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	■	■	✓	✓	✓
Diesel oil		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	■	✓	■	■	✓	✓	✓	✓
Dimethylformamide		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	■	✓	✓	✗			✓	✓		✓	✓
Dioctyl phthalate		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	■	✓	■	✓	✓		✓	✓
Dioxane		■	■	■	■	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	■	✗	■	■	✓	✓	✓
Acetic acid const.		■	■	■	■	✓	✓	✗	✗	✗	✓	✓	✗	✓	✓	✗	✓	■	✓	✓		✓	✓
Acetic acid	10	✓	✓	✓	✓	✓	✓	✗	✗	✗	✓	✓	■	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ethyl acetate		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✓	✓	✓	✓	✓
Hydrofluoric acid	40	✗	✗	✗	✗	✓	✓	✗	✗	✗	✓	✓	✗	✓	✓	■	✓	✓	✓	✓	✓	✓	✓
Formaldehyde	30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	■	✓	✓	✓	✓	✓	✓	✓		✓	✓
Formamide		✗	✗	✗	✗		✓	✓	✓	✓	✓	✓	■	✓	✓	✗			■	■	✓	✓	✓
Difluorodichloromethane, freon		✓	✓	✓	✓	✗	✗	✓	✓	✓	✗	✗	✓	✗	✗	✗	■	✗	✗	■		✗	✗
Fruit juices		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
Glycolic		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
Glycantin	40	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
Glycerin		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	■	✓	✓	✓	✓	✓	✓	✓
Carbamide watery		✓	✓	✓	✓	✗	✗	✓	✓	✓	✗	✗	✓	✗	✗	✓	✓	✓	✓	✓	✓	✓	✗
Heating oil		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	■	✓	✓	■	✓		✓	✓
Heptane, Hexane		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	■	■	■	✓
Isooctane		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✗	✓		✓	✓
Isopropyl		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	■	✓	✓	■	✓	■	✓	✓		✓	✓
Iodine tincture alcoholic							✗	✗	✗	✓	✓	✓	✗	✓	✓	■	✓	■	✓	✓		✓	✓
Caustic potash	50	✓	✓	✓	✓	✗	✗	✓	✓	✓	✗	✗	✓	✗	✗	✗	✓	✓	✓	✓	✓	✓	✗
Potassium dichromate	10	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	■	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Potassium permanganate	1	✓	✓	✓	✓	✓	✓	✗	✗	✗	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Copper sulphate	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓
Linseed oil		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	■	✓		✓	✓
Methyl alcohol		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	■	✓	✓	✗	✓	✗	✓	✓	✓	✓	✓
Methyl ethyl ketone		■	■	■	■	■	■	✓	✓	✓	■	■	✓	■	■	✗	✗	✗	✓	✓	■	✓	■
Methyl chloride		■	■	■	■	✓	✓	■	■	■	✓	✓	✗	✓	✓	✗	✗	✗	✗	■	✓	■	✓

✓ = resistant ■ = partly resistant ✗ = non-resistant

Chemicals / Product Range	Conc. [%]	CENTRODAL C / POM C	CENTRODAL C FG / POM C FG	CENTRODAL W / POM W	CENTRODAL GL / POM + PE	CENTROLYTE / PET	CENTROLYTE FG / PET FG	CENTROMID 6 E / PA 6 E	CENTROMID 6 E FG / PA 6 E FG	CENTROMID 6 GF / PA 6 GF 30	CENTROMID 6.6 / PA 6.6	CENTROMID 6.6 FG / PA 6.6 FG	CENTROMID 12 / PA 12	CENTROMID 12 GF / PA 12 GF 30	CENTROCARB / PC	CENTROCARB GF / PC GF 30	CENTROPHEN / PPE	CENTROSOL / ABS	CENTROLAB HT / PP-HT	CENTROLEN / PE-HD	CENTROLEN / PE-UHMW	CENTROLEN / PP-H	CENTROFLON / PVDF
		Milk		✓	✓	✓	✗		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lactic acid	90	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sodium bisulfite	10	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sodium carbonate	10	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Sodium chloride	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Sodium nitrate	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓
Sodium thiosulphate	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓
Sodium hydroxide solution	50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		■	✓	✓	✓	✓	✓	✓	✓
Nitrobenzene		■	■	■	■	✓	✓	■	■	■	✓	✓	■	✓	✗	✗	■	■	■	✓	✓	✓	✓
Oxalic acid	10	✗	✗	✗	✗	✓	✓	■	■	■	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ozone		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✗	■	✗		✗
Paraffin oil		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
Perchlorylene		✗	✗	✗	✗	✓	✓	■	■	■	✓	✓	■	✓	✓	■			✗	✗		■	✓
Petroleum		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	■	✓	✓	✓	✓	✓
Phenol watery		✗	✗	✗	✗	✓	✓	✗	✗	✗	✓	✓	✗	✓	✓	✗	✗	■	✓	✓	✓	✓	✓
Phosphoric acid	10	■	■	■	■	✓	✓	✗	✗	✗	✓	✓	✗	✓	✓	✓	✓		✓	✓	✓	✓	✓
Propanol		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓		✓	✓	✓	✓	✓
Pyridine		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✓	■	✓	✓	✓
P-3 solution watery		✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	■							
Salicylic acid		✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗			✓				✓
Nitric acid	2	✗	✗	✗	✗	✓	✓	✗	✗	✗	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hydrochloric acid	36	✗	✗	✗	✗	✓	✓	✗	✗	✗	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Carbon disulfide		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗		■	✓	✓	✓	✓	✓
Acid sulfur	98	✗	✗	✗	✗	■	■	✗	✗	✗	■	■	✗	■	■	✗	✓	✓	■	✗	■	■	■
Carbon disulphide		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	■	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓
Soap solutions		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Silicone oil		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Soda solution	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
Edible fat / Edible oil		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
Styrene		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗		■	■	✓	✓	✓
Tar		✓	✓	✓	✓		■	■	■	✓	✓	■	✓						■				✓
Carbon tetrachloride		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✗	✗	✗	✗	✗	✓	✗	✓
Tetrahydrofuran		■	■	■	■	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	■	■	✓	✓	✓
Tetralin		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗		✗	■	■	✓	✓	✓
Ink		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Toluene		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	■	✓	■	✓
Transformer oil		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Triethanolamine		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✓	✓
Trichlorethylene		✗	✗	✗	✗	✓	✓	■	■	■	✓	✓	■	✓	✓	✗	✗	✗	✗	✗	✓	■	✓
Trilon B	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									
Vaseline		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	■	■		✓	✓
Wax melted		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	■	■	✓	✓	✓
Water cold		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Water hot		■	■	■	■	✓	✓	■	■	■	✓	✓	■	✓	✓	■	✓	✓	✓	✓	✓	✓	✓
Hydrogen peroxide	30	✗	✗	✗	✗	✓	✓	✗	✗	✗	✓	✓	✗	✓	✓	✓	✓		✓	✓	✓	✓	✓
Brandy		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Tarraric acid		■	■	■	■		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Xylene		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	■	✓	✓	✗	✗	✗	✗	✗	✓	■	✓
Zinc chloride	10	✓	✓	✓	✓	✓	✓	■	■	■	✓	✓	■	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ = resistant ■ = partly resistant ✗ = non-resistant

Individual Plastic formats

We can already format the semi-finished plastics to the desired dimension in our own factory. By doing this, your outlay in terms of administration, logistics and packaging are minimised and your processes as to efficiency and profitability are optimised.



Remarkable formats and precise machining

Our aim is always to find the best possible solution for you. With this, we understand individual formats and precise dimensions of our semi-finished plastics, which are optimally customised to cover your requirements, by means of a modern machinery, competent employees and automated processes.

We format:

- Rods and tubes up to 3.000 mm in length
- Sheets and plates up to 1.220 mm width and 120 mm thickness
- Foils from 0,3 mm to 1,0 mm thickness

We can guarantee precise tolerances by the planing of sheets and precision grinding of rods and tubes. This also results in smoother and cleaner surfaces.

Your advantages:

- Time and cost saving
- Avoidance of discharge
- Optimised processes by experience in the areas of extrusion and machining
- Shortened communication channels

We will advise you with pleasure.

Contact us!

LIABILITY EXCLUSION

Earlier versions are no longer valid.

Please visit our website www.centroplast.com for most recent amendments.

All information in this document reflects our current state of knowledge and is intended to inform customers about our products and possible applications for them (errors and printing errors excepted).

This document does not legally ensure specific properties for the products or their suitability for any specific purpose. We accept no liability for the application, working, or other use of our products or the consequences resulting therefrom. The buyer shall be obligated to inspect the quality and properties of the products; they accept full responsibility for the selection, use, and working of the products and the use of information and the consequences therefrom. Any existing industrial property rights of third parties must be taken into account.

We under no circumstances grant, accept, or support the use of our semi-finished products for applications dealing with implants in human bodies.



Centroplast
Engineering Plastics GmbH

Unterm Ohmberg 1
D-34431 Marsberg

Phone +49 (0) 2992 9704-700
Fax +49 (0) 2992 9704-30

www.centroplast.com
info@centroplast.de