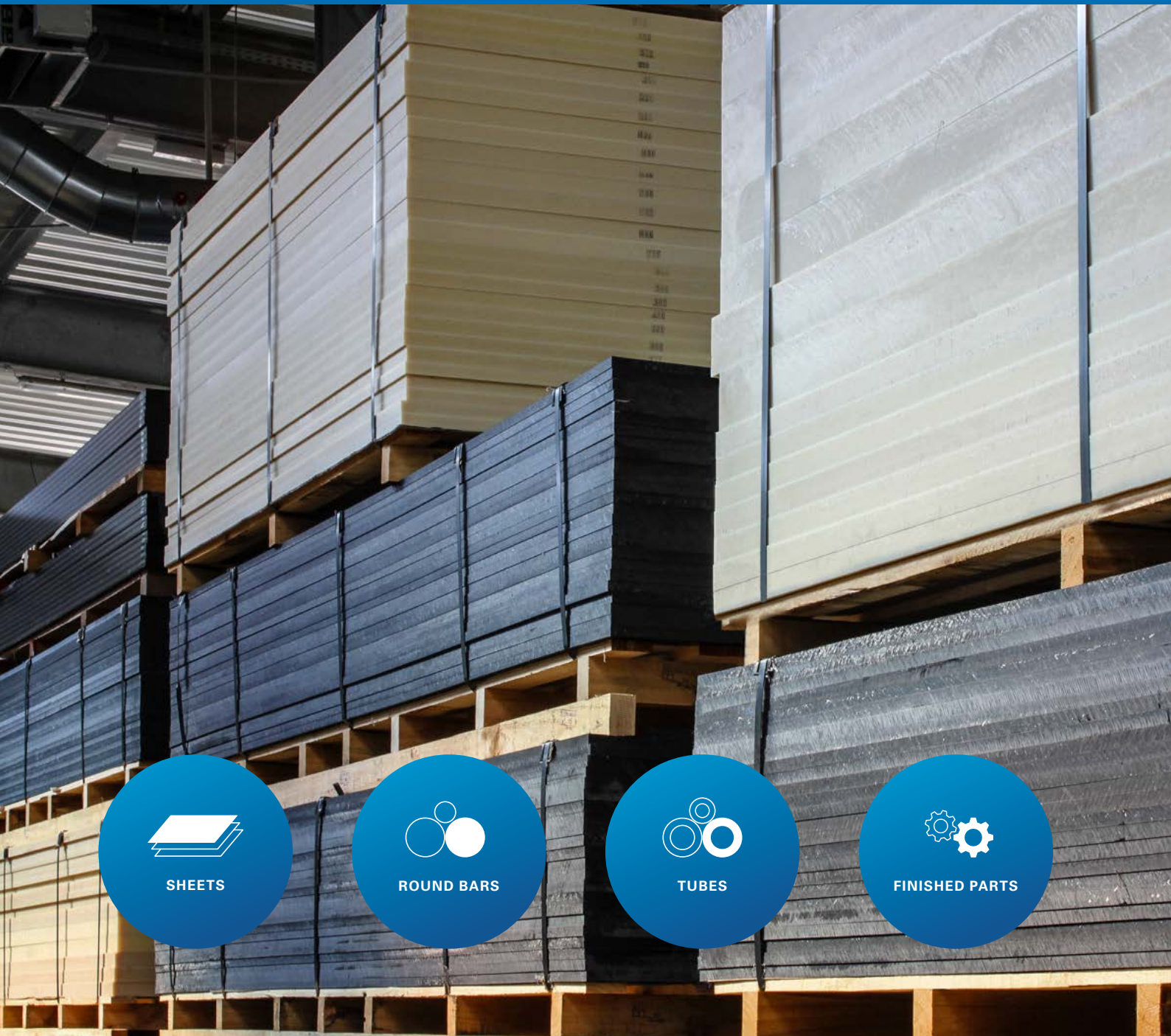


COMCOEPP

Engineering Plastic Products

Catalogue: Semi-Finished Products

Premium plastics of the highest quality.



SHEETS



ROUND BARS



TUBES



FINISHED PARTS

Our Expertise:

COMCO EPP GmbH – Engineering Plastic Products is your expert partner for thermoplastic and thermosetting plastics.

At our production facilities in Hallein near Salzburg (COMCO EPP Austria), Fachbach near Koblenz (COMCO Nylon Germany), in Dubai United Arab Emirates (COMCO EPP Middle East DMCC) and Seoul South Korea (COMCO EPP East Asia), we draw on experiences reaching back to the late 1970s to manufacture standard and custom-made semi-finished products, moulded castings and finished parts.

WE PRODUCE:

- Sheets and blanks
- Round bars and segments
- Blocks, discs and tubes
- Moulded parts
- Finished parts according to your drawings

Our in-house CNC centres are dedicated to the machining production of customer-specific finished parts in thermoplastic and thermosetting plastics. Whether individual parts or entire production runs: you can rely on consistently high quality.

Our semi-finished products centre supplies you with the products and materials you will find in these pages.

COMCOEPP

Engineering Plastic Products

COMCONYLON

High Performance in Plastics

Our company is
ISO 9001:2015 certified.



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Our special products for customers in middle east: Drinking & Waste Water Technology

Plastics for Drinking & Waste Water Technology

Fresh, clean water is a precious commodity. The efficient sourcing and treatment of water is vital for our quality of life. Sodium hypochlorite, chlorine and ozone are among the aggressive chemicals used for treatment. Installations must be able to withstand these influences for the long term. We offer plastics that are designed specifically for these requirements: they have a high resistance to chemicals, have the necessary purity for contact with drinking water and are easy to process. You can use them to design safe and long-lasting installations. We offer a complete system comprising of sheets, profiles, hollow profiles and cnc parts for example like sprockets and many more.

PVC-U sheets standard or with DVGW – KTW Drinking water certification

Sheets

Standard dimensions:

- 2000 x 1000 x 1 - 50 mm
- 3000 x 1500 x 1 - 30 mm
- 2440 x 1220 x diverse thickness
- 4000 x 2000 x 3 - 7 mm

Colours:

	Dark Grey	ca. RAL 7011
	Light Grey	ca. RAL 7035
	White	ca. RAL 9010
	White	ca. RAL 9016
	Black	ca. RAL 9011
	Red	ca. RAL 3000
	Ivory	ca. RAL 1014
	Blue	ca. RAL 5010
	Green	ca. RAL 6005
	Yellow	ca. RAL 1021



Further colors, dimensions and thickness upon request



PVC-U SQUARE TUBES

Product Charts

PVC-U SQUARE TUBES



A (mm)	B (mm)	C (mm)	Length (mm)	Colour	Weight (kg/m)
20,00	20,00	1,50	3.000	● ○	0,165
22,00	22,00	3,00	3.000	●	0,365
30,00	30,00	2,00	3.000	●	0,320
35,00	35,00	2,00	3.000	●	0,470
40,00	30,00	2,00	3.000	●	0,388
40,00	40,00	2,00	3.000	● ○	0,430
50,00	25,00	2,00	3.000	● ○	0,410
50,00	50,00	2,00	3.000	●	0,550
60,00	60,00	2,00	3.000	●	0,660
70,00	35,00	2,50	3.000	●	0,735
80,00	80,00	2,00	3.000	●	0,900
85,00	35,00	2,50	3.000	●	0,845
86,00	58,00	2,50	3.000	●	1,022
90,00	90,00	2,00	3.000	●	0,990
100,00	100,00	2,50	3.000	●	1,406
110,00	55,00	2,50	3.000	●	1,177
120,00	120,00	2,50	3.000	●	1,730

 Dark Grey
RAL 7011
  White
RAL 9003

Typical areas of application

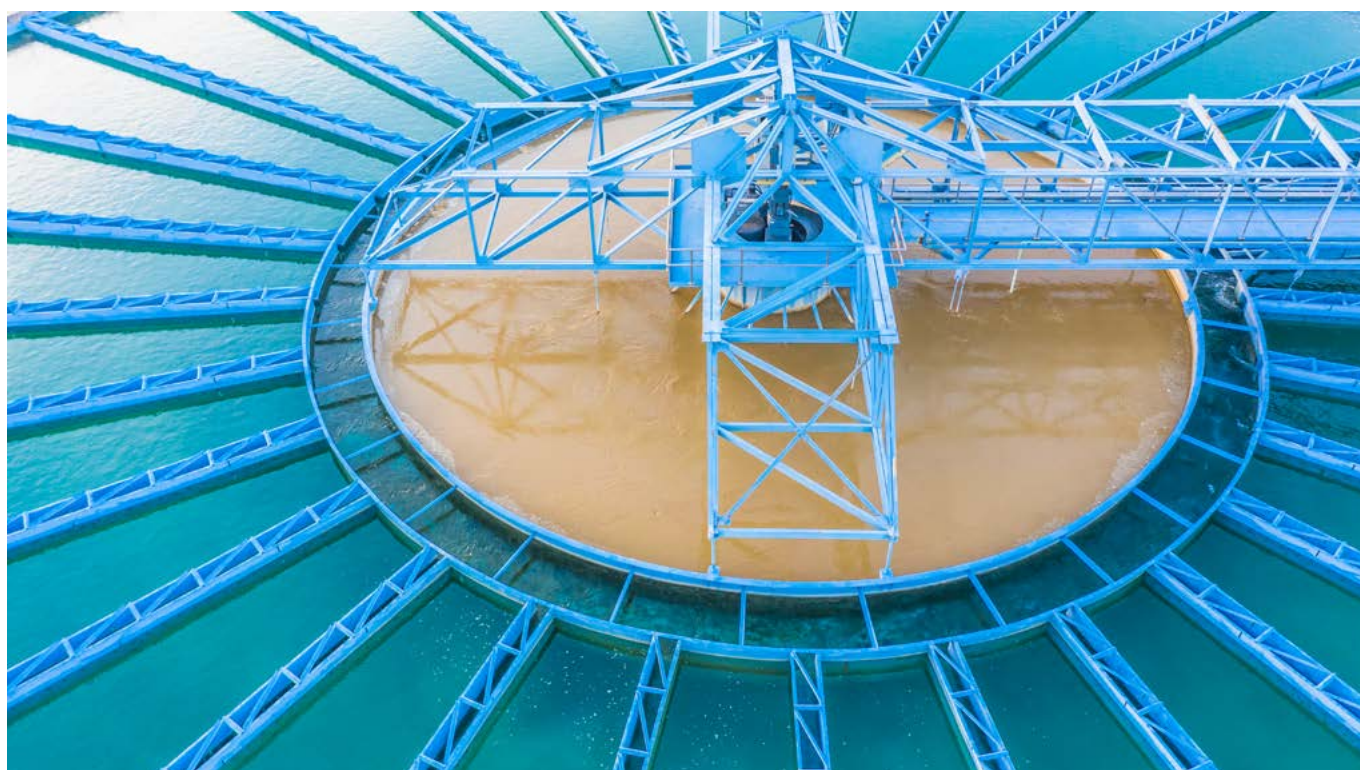
- Chemical water treatment
- Purification systems
- Mini purification systems
- Drinking water tanks
- Wastewater treatment
- Fountains, fountain linings
- Sea water desalination plants
- Industrial (cooling) water treatment plants

Drinking & Waste Water Technology

References

References where the lamellas were provided by COMCO EPP

Plant/Project	Country	Application/Product	Capacity m3/day	Start-Up
BUIDCO PAHARI STP	India	Drinking Water	12,500	2021
DOHA (DSSTW)	Katar	Drinking Water	44,000	2020
Mangalore Refinery SWRO	India	Drinking Water	83,000	2019
Dangote	Nigeria	Drinking Water	18,000	2019
AIN DRAHAM WTP	Tunesia	Process Water	7,000	2019
Duong River WTP Project	Vietnam	Drinking Water	150,000	2018
Nemmeli Enhancemnet Project - SWRO	India	Drinking Water	100,000	2018
NCC Nellore Chennai ETP	India	Process Water	12,000	2016
IOCL Paradip ETP	India	Process Water	8,000	2015
KMDA- Madhyamgram WTP	India	Drinking Water	140,000	2013
Ain Zada WTP	Algeria	Drinking Water	104,000	2010
Brcko WTP	Bosnia	Drinking Water	30,000	2010
Koudiat Medaour WTP	Algeria	Drinking Water	113,000	2007/2008



PA6C

Product Information



PA6C

Polyamide 6 cast (PA 6/c) is a universal material for mechanical engineering applications. It features high mechanical strength combined with sufficient toughness and very good machinability. Its properties can be optimised for specific applications by adding other materials. The casting process allows for a wide range of shapes.

Application areas for PA6C:

- PA6C is used for various types of pulleys, bearings, rope sheaves and gear wheels.

Characteristics:

- Excellent mechanical properties
- High chemical resistance
- High wear resistance
- Good machinability

Please note: We can produce various other formats on request.

PA6C

Product Information

PA6C variants

PA6C natural

Our premium-quality polyamide 6 cast in natural (ivory) with prompt availability. The universal material for general structural parts in plant and mechanical engineering. PA6C has very good antifriction properties and good resistance to gamma and X-rays.

Colour: natural

Round bars / Discs: Ø 50–2100 mm

Sheets (thicknesses): 10–100 mm

Blocks (thicknesses): 110–500 mm

Tubes / Rings: OD Ø 50–2100 mm



PA6C MO black

This variant exhibits improved crystallisation and self-lubrication thanks to the addition of molybdenum sulphides. The hardness is increased and at the same time the general mechanical, frictional and wear behaviour is improved. The material is produced in black.

Colour: black

Round bars / Discs: Ø 50–2100 mm

Sheets (thicknesses): 10–100 mm

Blocks (thicknesses): 110–500 mm

Tubes / Rings: OD Ø 50–2100 mm



PA6C Colour

Our premium-quality polyamide 6 cast specially dyed for your application. PA6C is available in red, yellow, green and blue. Further colours available on request.

Colours: red, yellow, green, blue

Round bars / Discs: Ø 100–2100 mm

Sheets (thicknesses): 20–100 mm

Blocks (thicknesses): 110–500 mm

Tubes / Rings: OD Ø 50–2100 mm



PA6C

Product Information

PA6C Heat

Modified with a thermal-aging stabiliser, this material has excellent resistance to thermal influences under stress. The standard colour is blue.

Colour: blue

Round bars / Discs: Ø 100–2100 mm

Sheets (thicknesses): 20–100 mm

Blocks (thicknesses): 110–500 mm

Tubes / Rings: OD Ø 50–2100 mm



PA6C Wax

The wax-modified polyamide 6 cast is characterised by better antifriction properties than the unfilled type. Applications include sliding elements and guide pieces, as well as sliding strips of all kinds. PA6C WAX is available in grey.

Colour: grey

Round bars / Discs: Ø 100–2100 mm

Sheets (thicknesses): 20–100 mm

Blocks (thicknesses): 110–500 mm

Tubes / Rings: OD Ø 50–2100 mm



PA6C Mod./Powerglide

This modified polyamide type was specially developed for structural parts where antifriction and wear properties are extremely important to ensure reliable operation over an extended period. Compared to metal, this construction material is characterised by lower weight. Powerglide also has better tribological properties than unfilled plastics. If the antifriction properties of PE 1000 are required, as well as the superior wear resistance and high mechanical strength of polyamide, Powerglide is the ideal material. Applications include sliding and bearing elements, wear strips and heavy-duty pulleys in all areas of mechanical engineering, crane construction and conveyor technology. Curve guides, toothed and sprocket wheels are further examples of applications. Powerglide is available in green as standard, and in other colours upon request.

Colour: green

Round bars / Discs: Ø 50–2100 mm

Sheets (thicknesses): 10–100 mm

Blocks (thicknesses): 110–500 mm

Tubes / Rings: OD Ø 50–2100 mm



PA6C

Product Information

PA6C HIGH IMPACT

This polyamide, which is also produced by the pressureless casting process, is a blended product based on caprolactam (the raw material for PA6C) and Laurinlactam (the raw material for PA12C). Compared to pure PA6C, the material has a lower water absorption and higher toughness. Applications include gear wheels, inlet and outlet star wheels or track rollers. PA6C HIGH IMPACT is available in natural/yellowish colours.

Colours: natural/yellow

Round bars / Discs: Ø 100–2100 mm

Sheets (thicknesses): 20–100 mm

Blocks (thicknesses): 110–500 mm

Tubes / Rings: OD Ø 50–2100 mm



PA6C GLASS

This type, filled with glass beads, has a higher dimensional stability, higher stiffness and lower water absorption. It also withstands higher service temperatures. The standard glass ball content is 30%, but customer-specific proportions can also be produced. Applications include heavy-duty mechanical engineering elements, tension rollers, coupling flanges, curved sections and guide elements. PA6C GLASS is available in natural colour/grey.

Colours: natural/grey

Round bars / Discs: Ø 100–2100 mm

Sheets (thicknesses): 20–100 mm

Blocks (thicknesses): 110–500 mm

Tubes / Rings: on request



PA6C OL

PA6C OL is modified with an incorporated liquid lubricant, which is distributed in the material in microscopically small droplets. This material is ideal when the stick-slip effect is to be improved. This material is perfectly suited for slow-moving, dry-running sliding elements. Applications include bearing bushings, guides and curve guides. PA6C OL is available in yellow and black as standard, and in other colours on request.

Colours: yellow, black

Round bars / Discs: Ø 50–2100 mm

Sheets (thicknesses): 10–100 mm

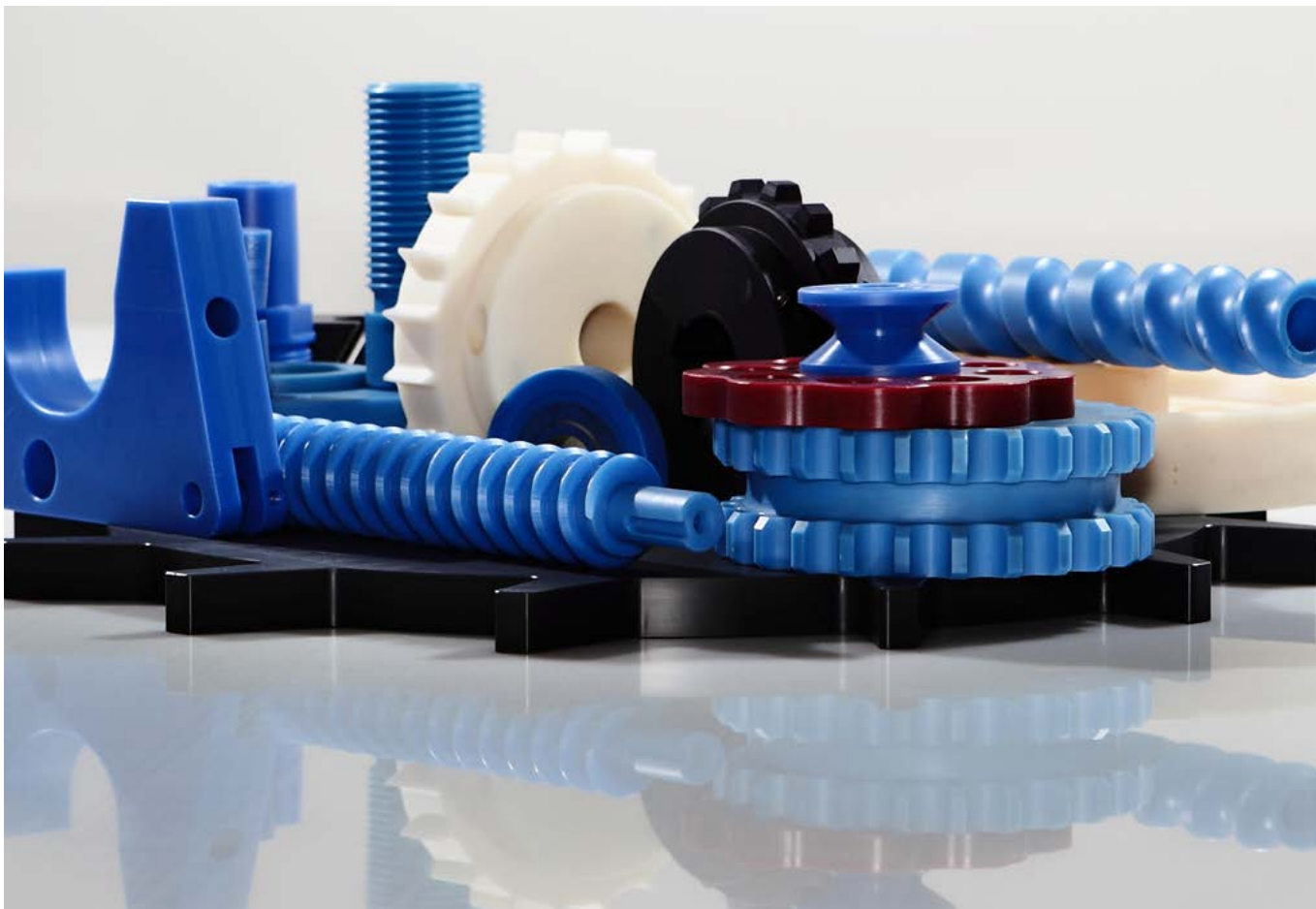
Blocks (thicknesses): 110–500 mm

Tubes / Rings: OD Ø 50–2100 mm



PA6C

Product Information



The dimensions of our standard sheet formats are 2000 × 1000 und 3050 × 1220 mm.
However, we can produce individual formats especially for you. Talk to us!

Sheets



SHEETS PA6C	Thickness mm	Weight kg/item
2000 × 1000 mm	5	13.50
	6	16.30
	8	21.00
	10	25.80
	12	31.40
	15	37.70
	20	51.00
	25	63.00
	30	75.20
	35	87.60
	40	101.00
	45	112.00
	50	124.00
	55	137.00
	60	149.00
	65	162.00
	70	174.00
	75	185.00
	80	198.00
	85	210.00
	90	222.00
	95	235.00
	100	246.00

SHEETS PA6C	Thickness mm	Weight kg/item
1000 × 1000 mm	110	138.80
	115	145.10
	120	151.40
	125	157.70
	130	164.10
	140	176.70
	150	189.90
	160	201.90

SHEETS PA6C	Thickness mm	Weight kg/item
3050 × 1220 mm	20	94.20
	25	116.40
	30	141.20
	35	165.20
	40	187.20
	45	210.00
	50	231.60
	55	254.90
	60	276.00
	70	325.00
	80	370.00
	90	413.10
	100	456.00

Thickness tolerances according to
DIN EN 15860:

Tolerances for length - 0 / +3%

Tolerances for width +5 / +25 mm

Average production weights.

Blocks and special formats possible.
For other dimensions, please contact
us directly!



PA6C

Product Charts

Round Bars



ROUND BARS PA6C	Ø mm	weight kg/item	weight kg/item
		L = 1000 mm	L = 3000 mm
	10	0.10	
	20	0.39	
	30	0.89	
	40	1.58	
	50	2.50	7.30
	55	2.90	8.60
	60	3.50	10.50
	65	4.10	12.20
	70	4.70	14.10
	75	5.50	16.50
	80	6.20	18.50
	85	7.00	20.80
	90	7.80	23.40
	95	8.70	26.10
	100	9.60	28.80
	105	10.80	32.20
	110	11.80	35.20
	115	12.60	37.80
	120	13.70	41.00
	125	15.40	46.00
	130	16.70	49.60
	140	18.90	56.50
	150	21.60	64.70
	160	24.80	74.30
	170	27.70	83.00
	180	31.70	92.10
	190	35.00	
	200	38.50	
	210	42.60	
	220	46.50	
	225	48.30	
	230	51.00	
	240	55.80	
	250	60.20	
	260	66.30	
	270	71.60	
	280	76.60	
	290	81.90	
	300	88.30	
	310	93.50	
	320	100.10	
	325	103.80	

ROUND BARS PA6C	Ø mm	weight kg/item
		L = 1000 mm
	330	104.60
	340	112.70
	350	119.90
	360	125.30
	370	131.30
	375	135.80
	380	138.70
	390	145.20
	400	154.90
	410	161.70
	420	169.60
	425	175.90
	430	177.50
	440	185.70
	450	195.90
	460	202.60
	470	211.40
	475	216.90
	480	220.30
	490	229.40
	500	241.70
	525	267.90
	550	294.40
	575	320.10
	600	349.00

Diameter tolerances according to DIN EN 15860:
Tolerances for length -0 / +3%.
Average production weights.

Round bars and discs possible in
up to 2100 mm diameter. For further
Dimensions, please contact
us directly!

Colours:

Natural, black
Other colours available
on request



PA6C Tolerance Chart

Tubes



TUBES PA6G	Ø mm	Tolerance mm	Tolerance mm
		AD	ID
	50 - 115	+2.0 / +5.0	-2.0 / -5.0
	120 - 150	+2.0 / +7.0	-2.0 / -7.0
	160 - 180	+2.0 / +8.0	-2.0 / -8.0
	190 - 220	+2.0 / +9.0	-2.0 / -9.0
	230 - 250	+3.0 / +10.0	-3.0 / -10.0
	260 - 300	+3.0 / +12.0	-3.0 / -12.0
	310 - 400	+3.0 / +14.0	-3.0 / -14.0
	410 - 500	+3.0 / +16.0	-3.0 / -16.0
	505 - 750	+5.0 / +20.0	-5.0 / -20.0
	750 - 1000	+5.0 / +25.0	-5.0 / -25.0
	1000 - 1250	+6.0 / +30.0	-6.0 / -30.0
	1250 - 1500	+6.0 / +40.0	-6.0 / -40.0
	1500 - 2000	+10.0 / + 50.0	-10.0 / -50.0
	> 2000	+15.0 / +60.0	-15.0 / -60.0



Here you will find our extensive range of cast polyamide pipes. Thanks to our large range of moulds, we can produce not only the standard dimensions, but also custom lengths. In addition, the inside diameter can be adjusted according to your needs. Blanks over 1250 mm must be requested separately, as they are produced according to your individual needs. Rings are available up to an outer diameter of 2100 mm.

If required, we can produce tubes on short notice and without a minimum order.

For modified pipes, however, we recommend prior enquiry, since a smaller minimum order may apply. Pipes with a length of over 2000 mm are also available on request.

PA6C

Product Charts

Tubes



TUBES PA6C						Ø mm					
ØD Ød	50	55	60	65	70	75	80	85	90	95	100
25	6.8	8.3	10.5	11.8							
30	6.1	7.6	9.8	11.1	13.9	15.2	17.9				
35	5.3	6.8	9.0	10.3	13.0	14.5	17.0	19.9	21.6	25.1	
40	4.3	5.9	8.1	9.3	12.1	13.6	16.2	18.9	20.7	24.1	26.3
45		4.8	7.0	8.2	11.0	12.5	15.1	18.0	19.6	23.0	25.2
50			5.7	7.0	9.8	11.2	13.9	16.8	18.5	21.8	24.0
55				5.6	8.4	9.9	12.5	15.4	17.2	20.6	22.6
60					6.9	8.3	11.0	13.9	15.6	19.1	21.3
65						6.7	9.4	12.2	14.0	17.4	19.7
70							7.6	10.4	12.2	15.6	17.9
75								8.5	10.2	13.7	15.9
80									8.2	11.6	13.8
85										9.4	11.6
90											9.3

TUBES PA6C												
	Ø mm											
ØD \ Ød	105	110	115	120	125	130	140	150	160	170	180	190
40	29.8	32.5										
45	28.7	31.5	34.3	40.5								
50	27.5	30.2	33.1	39.3	42.5	44.7						
55	26.1	28.8	31.7	38.0	41.2	43.3	52.5	61.1				
60	24.6	27.3	30.2	36.5	39.7	41.8	51.0	59.6	69.2			
65	23.2	25.7	28.5	34.9	38.0	40.2	49.4	58.0	67.6	75.3		
70	21.4	24.1	26.7	33.1	36.3	38.4	47.6	56.2	65.8	74.2	83.3	95.4
75	19.4	22.2	25.1	31.2	34.4	36.5	45.7	54.3	64.0	72.3	81.4	93.5
80	17.4	20.1	23.0	29.5	32.3	34.5	43.7	52.3	61.9	70.3	80.1	91.5
85	15.1	17.9	20.8	27.3	30.5	32.3	41.5	50.1	59.8	68.2	78.0	89.4
90	12.8	15.5	18.4	24.9	28.1	30.3	39.1	47.8	57.5	65.9	75.7	87.9
95	10.3	13.0	15.9	22.5	25.7	27.8	36.7	45.3	55.0	63.4	73.2	85.5
100		10.4	13.3	19.9	23.0	25.2	34.5	42.7	52.5	60.8	70.6	82.9
105			10.5	17.1	20.3	22.5	31.7	40.0	49.7	58.1	67.9	80.2

Data: weight in kg for D/d x 1000 mm



PA6C

Product Charts

Tubes



TUBES PA6C									
Ø mm									
ØD \ Ød	120	125	130	140	150	160	170	180	190
110	14.2	17.4	19.6	28.8	37.5	46.9	55.3	65.1	77.3
115		14.4	16.6	25.8	34.5	43.9	52.3	62.1	74.4
120			13.4	22.6	31.3	41.3	49.1	58.9	71.2
125				19.3	28.0	38.0	45.8	55.7	68.0
130				15.8	24.5	34.5	43.0	52.2	64.6
135					21.0	31.0	39.4	48.7	61.0
140					17.2	27.3	35.7	45.6	57.3
145						23.4	31.9	41.7	53.5
150						19.4	27.9	37.7	50.2
155							23.7	33.6	46.1
160							19.5	29.3	41.9
165								24.9	37.5
170								20.4	32.9
175									28.2
180									23.4



TUBES PA6C						
Ø mm						
ØD \ Ød	200	210	220	230	240	250
75	104.7					
80	102.7	114.5	128.7			
85	100.6	112.3	126.5	139.2		
90	98.3	110.1	124.3	136.9	150.4	
95	95.9	107.6	121.9	134.5	148.0	159.4
100	94.2	105.1	119.3	132.0	145.5	159.6
105	91.5	102.4	116.6	129.3	142.8	156.9
110	88.6	100.5	113.8	126.5	140.0	154.1
115	85.7	97.5	110.8	123.6	137.1	151.1
120	82.5	94.4	108.7	120.5	134.0	148.0
125	79.3	91.1	105.4	117.2	130.7	144.8
130	75.9	87.7	102.0	115.0	127.4	141.4
135	72.3	84.2	98.5	111.4	123.8	137.9
140	68.6	80.5	94.8	107.8	121.4	134.2
145	64.8	76.7	91.0	104.0	117.6	130.5
150	60.8	72.7	87.0	100.0	113.6	127.8
155	56.7	68.6	82.9	95.9	109.5	123.7

TUBES PA6C						
Ø mm						
ØD \ Ød	200	210	220	230	240	250
160	53.2	64.3	78.7	91.7	105.3	119.5
165	48.8	60.0	74.3	87.4	101.0	115.1
170	44.3	56.2	69.7	82.9	96.5	110.6
175	39.6	51.6	65.1	78.2	91.8	106.0
180	34.8	46.8	61.2	73.4	87.0	101.2
185	29.9	41.8	56.2	68.5	82.1	96.3
190	24.8	36.7	51.1	64.4	77.0	91.2
195		31.5	45.9	59.2	71.8	86.0
200		26.1	40.5	53.8	67.5	80.7
205			35.0	48.3	62.0	75.2
210			29.3	42.7	56.4	70.7
215				36.9	50.6	64.9
220				31.0	44.7	59.0
225					38.6	52.9
230					32.4	46.7
235						40.4
240						33.9

Data: weight in kg for D/d × 3000 mm

PA6C

Product Charts

Tubes PA6C



TUBES PA6C															
	Ø														
Ød	mm														
ØD	260	270	280	290	300	310	320	335	350	370	400	420	450	470	500
130	112.2	121.7	132.8												
135	109.8	119.3	130.4												
140	107.3	116.8	127.9	140.0	148.1										
145	104.7	114.2	125.3	137.4	145.5										
150	102.0	111.5	122.6	134.7	145.4	157.0	173.0	188.9	209.0	235.1					
155	99.2	108.7	119.8	131.9	142.7	154.3	170.2	186.1	206.3	232.3					
160	97.3	105.8	116.9	129.0	139.8	154.3	167.3	183.2	203.4	229.5					
165	94.3	102.9	113.9	126.1	136.8	151.3	164.4	180.3	200.5	226.5					
170	91.2	100.8	110.8	123.0	133.7	148.2	164.4	177.2	197.4	227.5	265.8				
175	88.0	97.6	107.7	119.8	130.5	145.1	161.2	174.1	194.3	224.4	262.7				
180	84.7	94.3	105.5	116.5	127.2	141.8	158.0	170.9	191.0	221.2	259.4	296.3			
185	81.3	91.0	102.1	113.2	123.9	138.5	154.6	170.8	187.7	217.8	256.1	293.0			
190	77.8	87.5	98.6	110.9	120.4	135.0	151.2	167.3	184.3	214.4	252.7	289.6	338.8		
195	74.3	83.9	95.1	107.3	116.8	131.5	147.6	163.8	180.8	210.9	249.2	286.1	335.4		
200	70.6	80.2	91.4	103.6	114.4	127.8	144.0	160.1	180.6	207.2	250.2	282.6	331.8	371.3	375.8
205	66.8	76.5	87.6	99.9	110.7	124.1	140.3	156.4	176.9	203.5	246.5	278.9	328.1	367.7	372.1
210	63.0	72.6	83.8	96.0	106.8	121.6	136.4	152.6	173.1	199.7	242.7	275.1	324.4	363.9	368.3
215	59.0	68.6	79.8	92.0	102.8	117.7	132.5	148.6	169.1	195.8	238.8	271.3	320.5	360.1	364.5
220	55.8	64.6	75.7	88.0	98.8	113.6	129.9	144.6	165.1	195.7	234.7	272.4	316.6	356.1	360.5
225	51.7	60.4	71.6	83.8	94.6	109.5	125.8	140.5	161.0	191.6	230.6	268.3	312.5	352.1	356.5
230	47.4	57.1	67.3	79.6	90.4	105.3	121.5	136.3	156.8	187.3	226.4	264.2	308.4	347.9	352.3
235	43.0	52.8	63.0	75.2	86.0	100.9	117.2	133.5	152.4	183.0	222.2	259.9	304.1	343.7	348.1
240	38.6	48.3	59.5	70.8	81.6	96.5	112.8	129.1	148.0	178.6	217.8	255.5	299.8	339.3	343.8
245	34.0	43.7	55.0	66.2	77.0	92.0	108.3	124.5	143.5	174.1	213.3	251.1	295.4	334.9	339.3
250	29.4	39.1	50.3	62.7	72.4	87.4	103.6	119.9	140.6	169.5	213.1	246.5	296.6	330.4	334.8
255		34.4	45.6	57.9	67.7	82.6	98.9	115.2	135.9	164.8	208.4	241.9	291.9	325.8	330.2
260		29.5	40.8	53.1	64.0	77.8	94.1	110.4	131.0	160.0	203.6	237.2	287.2	321.0	325.5
265			35.8	48.1	59.0	72.9	89.2	105.5	126.1	155.1	198.7	232.3	282.3	316.2	320.6
270			30.8	43.1	54.0	69.1	84.2	100.5	121.1	152.0	193.7	232.3	277.4	317.6	315.7
275				38.0	48.9	64.0	79.1	95.4	116.0	146.9	188.6	227.2	272.4	312.5	317.0
280				32.7	43.6	58.8	75.2	90.2	110.8	141.7	183.5	222.1	267.3	307.4	311.9
285					38.3	53.5	69.9	84.9	105.5	136.4	178.2	216.8	262.0	302.2	306.7
290					32.9	48.1	64.5	79.5	100.1	131.0	172.8	211.5	256.7	296.9	301.4
295						42.6	59.0	75.4	94.7	125.5	167.3	206.1	251.3	291.5	295.9
300						37.0	53.4	69.8	89.1	119.9	163.9	200.5	251.3	286.0	290.4
305							47.7	64.1	83.4	114.2	158.2	194.9	245.7	280.4	284.8
310							41.9	58.3	79.1	108.4	152.4	189.2	240.0	274.7	279.1
315								52.4	73.2	102.6	146.5	183.3	234.1	268.9	273.3
320								46.4	67.2	96.6	140.6	179.7	228.2	269.0	267.4
325								40.3	61.2	90.5	134.5	173.7	222.2	263.0	267.5
330									55.0	86.0	128.3	167.6	216.1	256.9	261.4

Data: weight in kg for
D/d × 2000 mm

PA6C

Product Charts

Tubes



TUBES PA6C								
	Ø							
	mm							
ØD \ Ød	350	370	400	420	450	470	475	500
335	48.7	79.8	122.1	161.3	209.9	250.7	255.2	301.8
340	42.3	73.4	115.7	155.0	203.6	244.3	248.9	295.6
345		66.9	109.2	148.6	197.1	237.9	242.5	289.2
350		60.3	102.7	142.1	193.3	231.4	236.0	289.5
355		53.7	96.0	135.5	186.7	224.8	229.4	282.9
360		46.9	91.2	128.8	179.9	218.1	222.7	276.2
365			84.4	121.9	173.1	211.4	215.9	269.4
370			77.4	115.0	166.2	207.3	209.0	262.5
375			70.3	108.0	159.2	200.3	204.9	255.5
380			63.2	103.1	152.1	193.2	197.8	248.4
385			55.9	95.9	144.9	186.0	190.6	241.2
390			48.6	88.6	137.6	178.8	183.3	234.0
395				81.1	130.3	171.4	175.9	226.6
400				73.6	122.8	163.9	168.5	222.3
405				66.0	115.2	156.3	160.9	214.8
410				58.3	109.9	148.6	153.2	207.1
415					102.1	140.8	145.4	199.3
420					94.3	133.0	137.6	191.4
425					86.3	125.0	129.6	183.5
430					78.2	119.6	121.5	175.4
435					70.0	111.4	116.0	167.2
440					61.7	103.1	107.8	159.0
445						94.8	99.4	150.6
450						86.3	90.9	142.2
455						77.7	82.3	133.6
460						69.0	73.7	128.0
465							64.9	119.2
470								110.3
475								101.4
480								92.3
485								83.2
490								73.9

Data: weight in kg for D/d × 2000 mm

TUBES PA6C								
	Ø							
	mm							
ØD \ Ød	525	550	575	600	625	650	675	
190	241.5							
195	239.8							
200	238.1	264.9						
205	236.3	263.1						
210	234.4	261.3	287.2					
215	232.6	259.4	285.4					
220	230.6	257.5	283.4	311.6				
225	228.7	255.5	281.5	309.6				
230	226.6	253.5	279.4	307.6	339.2			
235	224.6	251.4	277.4	305.5	337.2	366.6		
240	222.4	249.3	275.2	303.4	335.0	364.4		
245	220.3	247.1	273.1	301.2	332.9	362.3	395.2	
250	218.1	244.9	270.9	299.0	330.7	360.1	393.0	
255	215.8	242.6	268.6	296.8	328.4	357.8	390.8	
260	213.5	240.3	266.3	294.5	326.1	355.5	388.5	
265	211.1	238.0	263.9	292.1	323.7	353.1	386.1	
270	208.7	235.6	261.5	289.7	321.3	350.7	383.7	
275	206.3	233.1	259.1	287.3	318.9	348.3	381.3	
280	203.8	230.6	256.6	284.8	316.4	345.8	378.8	
285	201.3	228.1	254.1	282.2	313.8	343.2	376.2	
290	198.7	225.5	251.5	279.6	311.3	340.7	373.6	
295	196.0	222.9	248.8	277.0	308.6	338.0	371.0	
300	193.3	220.2	246.1	274.3	305.9	335.3	368.3	
305	190.6	217.4	243.4	271.6	303.2	332.6	365.6	
310	187.8	214.7	240.6	268.8	300.4	329.8	362.8	
315	185.0	211.8	237.8	266.0	297.6	327.0	360.0	
320	182.1	209.0	234.9	263.1	294.7	324.1	357.1	
325	183.0	206.0	232.0	260.2	291.8	321.2	354.2	
330	180.0	203.1	229.1	257.2	288.8	318.2	351.2	
335	177.0	200.1	226.0	254.2	285.8	315.2	348.2	
340	173.9	197.0	223.0	251.1	282.8	312.2	345.1	
345	170.8	193.9	219.9	248.0	279.7	309.1	342.0	
350	167.6	194.9	216.7	244.9	276.5	305.9	338.9	
355	164.4	191.7	213.5	241.7	273.3	302.7	335.7	
360	161.1	188.4	210.3	238.4	270.1	299.5	332.4	
365	157.8	185.1	207.0	235.1	266.8	296.2	329.1	
370	154.5	181.7	203.6	231.8	263.4	292.8	325.8	
375	154.7	178.3	204.7	228.4	260.0	289.4	322.4	
380	151.2	174.8	201.2	225.0	256.6	286.0	319.0	

Data: weight in kg for D/d × 1000 mm

PA6C

Product Charts



Tubes

TUBES PA6C							
Ø mm							
Ød \ ØD	525	550	575	600	625	650	675
385	147.7	171.3	197.7	221.5	253.1	282.5	315.5
390	144.2	167.8	194.2	217.9	249.6	279.0	311.9
395	140.5	164.2	190.6	214.4	246.0	275.4	308.4
400	136.9	164.5	186.9	215.5	242.4	271.8	304.7
405	133.2	160.8	183.2	211.8	238.7	268.1	301.1
410	129.4	157.1	179.5	208.1	235.0	264.4	297.4
415	125.6	153.3	175.7	204.3	231.2	260.6	293.6
420	121.7	149.4	171.9	200.5	227.4	256.8	289.8
425	119.6	145.5	172.3	196.6	228.7	252.9	285.9
430	115.6	141.6	168.4	192.7	224.8	249.0	282.0
435	111.6	137.6	164.4	188.7	220.8	245.1	278.0
440	107.6	133.5	160.3	184.7	216.8	241.1	274.0
445	103.5	129.4	156.2	180.6	212.7	237.0	270.0
450	99.3	127.2	152.1	181.1	208.6	238.5	265.9
455	95.1	123.0	147.9	177.0	204.5	234.3	261.8
460	90.9	118.8	143.7	172.7	200.2	230.1	257.6
465	86.6	114.5	139.4	168.4	196.0	225.8	253.3
470	82.3	110.1	135.1	164.1	191.7	221.5	249.0
475	77.9	105.8	132.8	159.7	192.4	217.2	250.7
480	73.4	101.3	128.3	155.3	187.9	212.8	246.3
485	70.6	96.8	123.8	150.8	183.5	208.3	241.8
490	66.0	92.3	119.3	146.3	179.0	203.8	237.3
495	61.4	87.7	114.7	141.7	174.4	199.3	232.8
500	56.8	83.1	110.1	139.4	169.8	200.1	228.2
505	52.1	78.4	105.4	134.7	165.1	195.4	223.6
510	47.4	75.5	100.7	130.0	160.4	190.7	218.9
515	42.6	70.7	95.9	125.2	155.6	186.0	214.1
520		65.9	91.1	120.4	150.8	181.2	209.4
525		61.0	86.2	115.5	148.4	176.3	210.3
530		56.1	81.3	110.6	143.5	171.4	205.4
535		51.1	78.3	105.6	138.5	166.5	200.5
540		46.1	73.3	100.6	133.5	161.5	195.5

TUBES PA6C					
Ø mm					
Ød \ ØD	575	600	625	650	675
545	68.2	95.6	128.5	156.4	190.4
550	63.1	90.5	123.4	153.9	185.3
555	57.9	85.3	118.2	148.8	180.2
560	52.7	82.2	113.0	143.6	175.0
565	47.5	77.0	107.8	138.3	169.8
570		71.7	102.5	133.0	164.5
575		66.3	97.1	127.7	162.0
580		60.9	91.7	122.3	156.6
585		55.4	88.6	116.9	151.1
590		49.9	83.1	111.4	145.7
595			77.5	105.9	140.1
600			72.0	100.3	134.5
605			66.3	94.6	128.9
610			60.6	91.4	123.2
615			54.9	85.7	117.5
620				79.9	111.7
625				74.1	105.9
630				68.2	100.1
635				62.2	96.8
640				56.3	90.8
645					84.8
650					78.7
655					72.6
660					66.4
665					60.2

Data: weight in kg for D/d × 1000 mm

PA6C

Product Charts

Tubes



TUBES PA6C					Ø mm				
Ød \ ØD	700	725	750	775	800	825	850	875	900
255	423.7								
260	421.4								
265	419.0	450.5							
270	416.6	448.1							
275	414.2	445.6	483.5						
280	411.7	443.2	481.0	521.7					
285	409.2	440.6	478.5	519.2					
290	406.6	438.0	475.9	516.6	554.3				
295	403.9	435.4	473.3	514.0	551.7				
300	401.2	432.7	470.6	511.3	549.0	587.9			
305	398.5	430.0	467.9	508.6	546.3	585.2			
310	395.7	427.2	465.2	505.9	543.6	582.5	622.6		
315	392.9	424.4	462.4	503.1	540.8	579.7	619.8		
320	390.0	421.5	459.5	500.2	537.9	576.8	616.9	658.1	
325	387.1	418.6	456.6	497.3	535.0	573.9	614.0	655.3	
330	384.2	415.6	453.7	494.4	532.1	571.0	611.1	652.3	694.7
335	381.1	412.6	450.7	491.4	529.1	568.0	608.1	649.3	691.7
340	378.1	409.5	447.6	488.3	526.1	565.0	605.0	646.3	688.7
345	375.0	406.4	444.6	485.3	523.0	561.9	602.0	643.2	685.6
350	371.8	403.3	441.4	482.1	519.9	558.8	598.8	640.1	682.5
355	368.6	400.1	438.3	478.9	516.7	555.6	595.6	636.9	679.3
360	365.4	396.8	435.0	475.7	513.4	552.3	592.4	633.7	676.1
365	362.1	393.5	431.8	472.4	510.2	549.1	589.1	630.4	672.8
370	358.7	390.2	428.4	469.1	506.9	545.8	585.8	627.1	669.5
375	355.3	386.8	425.1	465.8	503.5	542.4	582.5	623.7	666.1
380	351.9	383.4	421.7	462.4	500.1	539.0	579.0	620.3	662.7
385	348.4	379.9	418.2	458.9	496.6	535.5	575.6	616.8	659.3
390	344.9	376.3	414.7	455.4	493.1	532.0	572.1	613.3	655.7
395	341.3	372.8	411.1	451.8	489.6	528.5	568.5	609.8	652.2
400	337.7	369.1	407.5	448.2	486.0	524.9	564.9	606.2	648.6
405	334.0	365.5	403.9	444.6	482.3	521.2	561.3	602.5	644.9
410	330.3	361.7	400.2	440.9	478.6	517.5	557.6	598.8	641.2
415	326.5	358.0	396.4	437.1	474.9	513.8	553.8	595.1	637.5
420	322.7	354.2	392.7	433.3	471.1	510.0	550.0	591.3	633.7
425	318.9	350.3	388.8	429.5	467.2	506.1	546.2	587.5	629.9
430	314.9	346.4	384.9	425.6	463.4	502.3	542.3	583.6	626.0
435	311.0	342.4	381.0	421.7	459.4	498.3	538.4	579.6	622.1
440	307.0	338.4	377.0	417.7	455.4	494.3	534.4	575.7	618.1
445	302.9	334.4	373.0	413.7	451.4	490.3	530.4	571.6	614.1

Data: weight in kg for D/d × 1000 mm

PA6C

Product Charts

Tubes



TUBES PA6C									
	Ø								
	mm								
Ød	700	725	750	775	800	825	850	875	900
450	298.8	330.3	368.9	409.6	447.3	486.2	526.3	567.6	610.0
455	294.7	326.2	364.8	405.5	443.2	482.1	522.2	563.4	605.9
460	290.5	322.0	360.6	401.3	439.1	478.0	518.0	559.3	601.7
465	286.3	317.7	356.4	397.1	434.8	473.7	513.8	555.1	597.5
470	282.0	313.4	352.2	392.9	430.6	469.5	509.6	550.8	593.2
475	277.7	309.1	347.9	388.5	426.3	465.2	505.2	546.5	588.9
480	273.3	304.7	343.5	384.2	421.9	460.8	500.9	542.1	584.6
485	268.9	300.3	339.1	379.8	417.5	456.4	496.5	537.7	580.2
490	264.4	295.8	334.6	375.3	413.1	452.0	492.0	533.3	575.7
495	259.9	291.3	330.2	370.8	408.6	447.5	487.5	528.8	571.2
500	261.7	286.7	325.6	366.3	404.0	442.9	483.0	524.2	566.7
505	257.0	282.1	321.0	361.7	399.4	438.3	478.4	519.7	562.1
510	252.3	277.5	316.4	357.1	394.8	433.7	473.8	515.0	557.4
515	247.6	272.8	311.7	352.4	390.1	429.0	469.1	510.3	552.8
520	242.8	268.0	307.0	347.7	385.4	424.3	464.4	505.6	548.0
525	238.0	269.9	302.2	342.9	380.6	419.5	459.6	500.8	543.2
530	233.1	265.1	297.4	338.1	375.8	414.7	454.8	496.0	538.4
535	228.2	260.1	292.5	333.2	370.9	409.8	449.9	491.1	533.5
540	223.2	255.2	287.6	328.3	366.0	404.9	445.0	486.2	528.6
545	218.2	250.1	282.6	323.3	361.0	399.9	440.0	481.2	523.7
550	219.3	245.1	284.8	318.3	356.0	394.9	435.0	476.2	518.6
555	214.2	240.0	279.7	313.2	350.9	389.8	429.9	471.2	513.6
560	209.0	234.8	274.6	308.1	345.8	384.7	424.8	466.1	508.5
565	203.8	229.6	269.4	303.0	340.7	379.6	419.7	460.9	503.3
570	198.5	224.4	264.1	297.8	335.5	374.4	414.4	455.7	498.1
575	193.2	225.6	258.9	300.2	330.2	369.1	409.2	450.4	492.9
580	187.8	220.2	253.5	294.9	324.9	363.8	403.9	445.1	487.6
585	182.4	214.8	248.2	289.5	319.6	358.5	398.6	439.8	482.2
590	176.9	209.3	242.7	284.1	314.2	353.1	393.2	434.4	476.8
595	171.4	203.8	237.3	278.6	308.8	347.7	387.7	429.0	471.4
600	168.8	198.3	238.8	273.1	311.4	342.2	382.2	423.5	465.9
605	163.2	192.6	233.2	267.5	305.9	336.6	376.7	418.0	460.4
610	157.5	187.0	227.5	261.9	300.2	331.1	371.1	412.4	454.8
615	151.8	181.3	221.9	256.3	294.6	325.4	365.5	406.8	449.2
620	146.0	175.5	216.1	250.6	288.9	319.8	359.8	401.1	443.5
625	140.2	172.9	210.3	252.3	283.1	322.7	354.1	395.4	437.8
630	134.3	167.0	204.5	246.5	277.3	316.9	348.3	389.6	432.0
635	128.4	161.1	198.6	240.6	271.5	311.0	342.5	383.8	426.2
640	122.4	155.1	192.7	234.7	265.6	305.1	336.7	377.9	420.3



Data: weight in kg for D/d × 1000 mm

PA6C

Product Charts

Tubes



TUBES PA6C									
Ø mm									
Ød \ ØD	700	725	750	775	800	825	850	875	900
645	116.4	149.1	186.7	228.7	259.7	299.2	330.8	372.0	414.4
650	110.4	143.1	184.1	222.7	261.6	293.2	333.9	366.0	408.5
655	104.3	137.0	178.0	216.6	255.6	287.2	327.9	360.0	402.5
660	100.9	130.8	171.9	210.5	249.4	281.1	321.8	354.0	396.4
665	94.7	124.6	165.7	204.4	243.3	274.9	315.6	347.9	390.3
670	88.4	118.4	159.5	198.2	237.1	268.8	309.5	341.8	384.2
675	82.1	112.1	153.2	195.5	230.8	271.0	303.2	345.1	378.0
680	75.8	105.7	146.9	189.2	224.5	264.6	297.0	338.9	371.7
685	69.4	102.3	140.5	182.9	218.2	258.3	290.7	332.6	365.5
690	62.9	95.9	134.1	176.4	211.8	251.9	284.3	326.2	359.1
695		89.4	127.7	170.0	205.3	245.5	277.9	319.8	352.7
700		82.8	121.2	163.5	202.7	239.0	280.3	313.3	356.4
705		76.2	114.6	156.9	196.1	232.4	273.8	306.8	349.9
710		69.6	111.2	150.3	189.5	225.8	267.2	300.3	343.3
715		62.9	104.5	143.6	182.9	219.2	260.5	293.6	336.7
720			97.8	136.9	176.2	212.5	253.8	287.0	330.1
725			91.1	130.2	169.4	209.9	247.1	289.7	323.4
730			84.2	123.4	162.6	203.1	240.3	282.9	316.6
735			77.4	120.0	155.8	196.2	233.5	276.1	309.9
740			70.5	113.1	148.9	189.3	226.6	269.2	303.0
745				106.1	141.9	182.4	219.7	262.3	296.1
750				99.1	135.0	175.4	217.1	255.3	299.1
755				92.1	127.9	168.4	210.0	248.3	292.0
760				85.0	124.5	161.3	202.9	241.2	285.0
765				77.8	117.4	154.1	195.8	234.1	277.9

TUBES PA6C					
Ø mm					
Ød \ ØD	800	825	850	875	900
770	110.2	147.0	188.6	226.9	270.7
775	102.9	139.7	181.4	224.3	263.5
780	95.6	132.5	174.1	217.0	256.2
785	88.3	129.0	166.8	209.7	248.9
790	80.9	121.6	159.4	202.3	241.6
795		114.2	152.0	194.9	234.2
800		106.7	144.6	187.4	231.5
805		99.2	137.0	179.9	224.0
810		91.6	133.6	172.4	216.5
815		84.0	126.0	164.8	208.9
820			118.3	157.1	201.2
825			110.6	149.4	193.5
830			102.8	141.6	185.7
835			95.0	138.2	177.9
840			87.1	130.3	170.1
845				122.4	162.2
850				114.5	154.3
855				106.4	146.3
860				98.4	142.8
865				90.3	134.7
870					126.6
875					118.4
880					110.1
885					101.8
890					93.5

Data: weight in kg for D/d × 1000 mm

PA6C

Product Charts

Tubes



TUBES PA6C														
Ø mm														
ØD Ød	925	950	975	1000	1025	1050	1075	1100	1125	1150	1175	1200	1225	1250
335	735.3													
340	732.3													
345	729.2	774.0												
350	726.1	770.8												
355	722.9	767.7	813.6											
360	719.7	764.4	810.4											
365	716.4	761.2	807.1	856.2										
370	713.1	757.9	803.8	852.9										
375	709.7	754.5	800.4	849.6	901.6									
380	706.3	751.1	797.0	846.2	898.2	951.6								
385	702.8	747.6	793.6	842.7	894.8	948.2								
390	699.3	744.1	790.0	839.3	891.3	944.7	993.6							
395	695.8	740.5	786.5	835.7	887.8	941.2	990.0							
400	692.2	736.9	782.9	832.2	884.2	937.6	986.5	1040.4						
405	688.5	733.3	779.2	828.5	880.6	934.0	982.8	1036.8						
410	684.8	729.6	775.5	824.9	876.9	930.3	979.2	1033.1	1088.4					
415	681.1	725.9	771.8	821.2	873.2	926.6	975.5	1029.4	1084.6					
420	677.3	722.1	768.0	817.4	869.4	922.9	971.7	1025.7	1080.9	1135.3				
425	673.5	718.2	764.2	813.6	865.6	919.0	967.9	1021.8	1077.1	1131.5	1187.0			
430	669.6	714.3	760.3	809.7	861.8	915.2	964.0	1018.0	1073.2	1127.6	1183.1			
435	665.7	710.4	756.4	805.8	857.9	911.3	960.1	1014.1	1069.3	1123.7	1179.2	1231.6		
440	661.7	706.4	752.4	801.9	853.9	907.3	956.2	1010.1	1065.4	1119.7	1175.3	1227.6		
445	657.6	702.4	748.4	797.9	849.9	903.3	952.2	1006.1	1061.4	1115.7	1171.3	1223.6	1285.9	
450	653.6	698.3	744.3	793.8	845.9	899.3	948.1	1002.1	1057.3	1111.7	1167.3	1219.6	1281.9	
455	649.5	694.2	740.2	789.7	841.8	895.2	944.0	998.0	1053.2	1107.6	1163.2	1215.5	1277.8	1336.4
460	645.3	690.1	736.0	785.6	837.7	891.1	939.9	993.9	1049.1	1103.5	1159.0	1211.3	1273.6	1332.3
465	641.1	685.8	731.8	781.4	833.5	886.9	935.7	989.7	1044.9	1099.3	1154.8	1207.2	1269.5	1328.1
470	636.8	681.6	727.5	777.2	829.2	882.6	931.5	985.4	1040.7	1095.1	1150.6	1202.9	1265.2	1323.9
475	632.5	677.3	723.2	772.9	825.0	878.4	927.2	981.2	1036.4	1090.8	1146.3	1198.6	1260.9	1319.7
480	628.1	672.9	718.9	768.6	820.6	874.0	922.9	976.8	1032.1	1086.4	1142.0	1194.3	1256.6	1315.4
485	623.7	668.5	714.5	764.2	816.3	869.7	918.5	972.5	1027.7	1082.1	1137.6	1189.9	1252.2	1311.1
490	619.3	664.1	710.0	759.8	811.8	865.2	914.1	968.0	1023.3	1077.7	1133.2	1185.5	1247.8	1306.7
495	614.8	659.6	705.5	755.3	807.4	860.8	909.6	963.6	1018.8	1073.2	1128.7	1181.1	1243.4	1302.3
500	610.3	655.0	701.0	750.8	802.9	856.3	905.1	959.1	1014.3	1068.7	1124.2	1176.5	1238.8	1297.8
505	605.7	650.4	696.4	746.2	798.3	851.7	900.5	954.5	1009.7	1064.1	1119.7	1172.0	1234.3	1293.3
510	601.0	645.8	691.7	741.6	793.7	847.1	895.9	949.9	1005.1	1059.5	1115.0	1167.4	1229.7	1288.8
515	596.3	641.1	687.1	737.0	789.0	842.4	891.3	945.2	1000.5	1054.8	1110.4	1162.7	1225.0	1284.2
520	591.6	636.4	682.3	732.3	784.3	837.7	886.6	940.5	995.8	1050.1	1105.7	1158.0	1220.3	1279.5
525	586.8	631.6	677.5	727.5	779.6	833.0	881.8	935.8	991.0	1045.4	1100.9	1153.3	1215.6	1274.8

Data: weight in kg for
D/d × 1000 mm

PA6C

Product Charts

Tubes



TUBES PA6C								Ø mm						
ØD Ød	925	950	975	1000	1025	1050	1075	1100	1125	1150	1175	1200	1225	1250
530	582.0	626.8	672.7	722.7	774.8	828.2	877.0	931.0	986.2	1040.6	1096.1	1148.5	1210.8	1270.0
535	577.1	621.9	667.8	717.9	769.9	823.3	872.2	926.1	981.4	1035.7	1091.3	1143.6	1205.9	1265.2
540	572.2	617.0	662.9	713.0	765.0	818.4	867.3	921.2	976.5	1030.9	1086.4	1138.7	1201.0	1260.4
545	567.2	612.0	658.0	708.1	760.1	813.5	862.3	916.3	971.5	1025.9	1081.5	1133.8	1196.1	1255.5
550	562.2	607.0	652.9	703.1	755.1	808.5	857.4	911.3	966.5	1020.9	1076.5	1128.8	1191.1	1250.6
555	557.2	601.9	647.9	698.0	750.1	803.5	852.3	906.3	961.5	1015.9	1071.4	1123.8	1186.1	1245.6
560	552.1	596.8	642.8	693.0	745.0	798.4	847.2	901.2	956.4	1010.8	1066.4	1118.7	1181.0	1240.6
565	546.9	591.7	637.6	687.8	739.9	793.3	842.1	896.1	951.3	1005.7	1061.2	1113.6	1175.9	1235.5
570	541.7	586.5	632.4	682.7	734.7	788.1	836.9	890.9	946.1	1000.5	1056.1	1108.4	1170.7	1230.3
575	536.5	581.2	627.2	677.4	729.5	782.9	831.7	885.7	940.9	995.3	1050.8	1103.2	1165.5	1225.2
580	531.2	575.9	621.9	672.2	724.2	777.6	826.5	880.4	935.6	990.0	1045.6	1097.9	1160.2	1219.9
585	525.8	570.6	616.5	666.8	718.9	772.3	821.1	875.1	930.3	984.7	1040.3	1092.6	1154.9	1214.7
590	520.4	565.2	611.1	661.5	713.5	766.9	815.8	869.7	925.0	979.3	1034.9	1087.2	1149.5	1209.4
595	515.0	559.8	605.7	656.1	708.1	761.5	810.4	864.3	919.6	973.9	1029.5	1081.8	1144.1	1204.0
600	509.5	554.3	600.2	650.6	702.7	756.1	804.9	858.9	914.1	968.5	1024.0	1076.3	1138.7	1198.6
605	504.0	548.7	594.7	645.1	697.2	750.6	799.4	853.4	908.6	963.0	1018.5	1070.8	1133.1	1193.1
610	498.4	543.2	589.1	639.6	691.6	745.0	793.9	847.8	903.0	957.4	1013.0	1065.3	1127.6	1187.6
615	492.8	537.5	583.5	634.0	686.0	739.4	788.3	842.2	897.4	951.8	1007.4	1059.7	1122.0	1182.1
620	487.1	531.9	577.8	628.3	680.4	733.8	782.6	836.6	891.8	946.2	1001.7	1054.0	1116.4	1176.5
625	481.4	526.1	572.1	622.6	674.7	728.1	776.9	830.9	886.1	940.5	996.0	1048.4	1110.7	1170.8
630	475.6	520.4	566.3	616.9	668.9	722.3	771.2	825.1	880.4	934.7	990.3	1042.6	1104.9	1165.1
635	469.8	514.6	560.5	611.1	663.1	716.6	765.4	819.4	874.6	929.0	984.5	1036.8	1099.1	1159.4
640	463.9	508.7	554.6	605.3	657.3	710.7	759.6	813.5	868.8	923.1	978.7	1031.0	1093.3	1153.6
645	458.0	502.8	548.7	599.4	651.4	704.8	753.7	807.6	862.9	917.2	972.8	1025.1	1087.4	1147.8
650	452.1	496.8	542.8	593.5	645.5	698.9	747.8	801.7	856.9	911.3	966.9	1019.2	1081.5	1141.9
655	446.1	490.8	536.8	587.5	639.5	692.9	741.8	795.7	851.0	905.3	960.9	1013.2	1075.5	1136.0
660	440.0	484.8	530.7	581.5	633.5	686.9	735.8	789.7	844.9	899.3	954.9	1007.2	1069.5	1130.0
665	433.9	478.7	524.6	575.4	627.4	680.8	729.7	783.6	838.9	893.3	948.8	1001.1	1063.4	1124.0
670	427.8	472.5	518.5	569.3	621.3	674.7	723.6	777.5	832.8	887.1	942.7	995.0	1057.3	1117.9
675	421.6	466.3	512.3	563.1	615.2	668.6	717.4	771.4	826.6	881.0	936.5	988.8	1051.1	1111.8
680	415.3	460.1	506.0	556.9	609.0	662.4	711.2	765.2	820.4	874.8	930.3	982.6	1044.9	1105.6
685	409.1	453.8	499.8	550.6	602.7	656.1	704.9	758.9	814.1	868.5	924.1	976.4	1038.7	1099.4
690	402.7	447.5	493.4	544.3	596.4	649.8	698.6	752.6	807.8	862.2	917.8	970.1	1032.4	1093.2
695	396.3	441.1	487.0	538.0	590.0	643.4	692.3	746.2	801.5	855.9	911.4	963.7	1026.0	1086.9
700	389.9	434.7	480.6	531.6	583.6	637.0	685.9	739.8	795.1	849.5	905.0	957.3	1019.6	1080.5
705	383.4	428.2	474.1	525.1	577.2	630.6	679.4	733.4	788.6	843.0	898.6	950.9	1013.2	1074.1
710	376.9	421.7	467.6	518.7	570.7	624.1	672.9	726.9	782.1	836.5	892.1	944.4	1006.7	1067.7
715	370.3	415.1	461.1	512.1	564.2	617.6	666.4	720.4	775.6	830.0	885.5	937.8	1000.1	1061.2
720	363.7	408.5	454.4	505.5	557.6	611.0	659.8	713.8	769.0	823.4	878.9	931.3	993.6	1054.6

Data: weight in kg for
D/d × 1000 mm

PA6C

Product Charts

Tubes



TUBES PA6C													
Ø													
mm													
Ød	925	950	975	1000	1025	1050	1075	1100	1125	1150	1175	1200	1250
725	367.7	401.8	447.8	498.9	550.9	604.4	653.2	707.1	762.4	816.8	872.3	924.6	986.9
730	360.9	395.1	441.1	492.2	544.3	597.7	646.5	700.5	755.7	810.1	865.6	917.9	980.2
735	354.1	388.4	434.3	485.5	537.5	590.9	639.8	693.7	749.0	803.3	858.9	911.2	973.5
740	347.3	381.6	427.5	478.7	530.8	584.2	633.0	687.0	742.2	796.6	852.1	904.4	966.7
745	340.4	374.7	420.7	471.9	523.9	577.3	626.2	680.1	735.4	789.7	845.3	897.6	959.9
750	333.5	378.9	413.8	465.0	517.1	570.5	619.3	673.3	728.5	782.9	838.4	890.7	953.1
755	326.5	372.0	406.8	458.1	510.1	563.6	612.4	666.4	721.6	776.0	831.5	883.8	946.1
760	319.5	364.9	399.8	451.1	503.2	556.6	605.4	659.4	714.6	769.0	824.5	876.9	939.2
765	312.4	357.9	392.8	444.1	496.2	549.6	598.4	652.4	707.6	762.0	817.5	869.9	932.2
770	305.3	350.7	385.7	437.1	489.1	542.5	591.4	645.3	700.6	754.9	810.5	862.8	925.1
775	308.5	343.6	390.2	430.0	482.0	535.4	584.3	638.2	693.4	747.8	803.4	855.7	918.0
780	301.2	336.3	383.0	422.8	474.9	528.3	577.1	631.1	686.3	740.7	796.2	848.5	910.8
785	293.9	329.1	375.7	415.6	467.7	521.1	569.9	623.9	679.1	733.5	789.0	841.3	903.6
790	286.6	321.8	368.4	408.4	460.4	513.8	562.7	616.6	671.9	726.2	781.8	834.1	896.4
795	279.2	314.4	361.1	401.1	453.1	506.5	555.4	609.3	664.6	718.9	774.5	826.8	889.1
800	271.7	317.9	353.7	406.0	445.8	499.2	548.0	602.0	657.2	711.6	767.1	819.5	881.8
805	264.2	310.4	346.2	398.5	438.4	491.8	540.6	594.6	649.8	704.2	759.8	812.1	874.4
810	256.7	302.9	338.7	391.1	431.0	484.4	533.2	587.2	642.4	696.8	752.3	804.6	866.9
815	249.1	295.3	331.2	383.5	423.5	476.9	525.7	579.7	634.9	689.3	744.8	797.2	859.5
820	241.5	287.6	323.6	376.0	416.0	469.4	518.2	572.2	627.4	681.8	737.3	789.6	851.9
825	238.8	279.9	327.3	368.4	421.2	461.8	510.6	564.6	619.8	674.2	729.7	782.1	844.4
830	231.1	272.2	319.6	360.7	413.6	454.2	503.0	557.0	612.2	666.6	722.1	774.4	836.7
835	223.3	264.4	311.8	353.0	405.9	446.5	495.3	549.3	604.5	658.9	714.4	766.8	829.1
840	215.4	256.6	304.0	345.2	398.1	438.8	487.6	541.6	596.8	651.2	706.7	759.1	821.4
845	207.5	248.7	296.1	337.4	390.3	431.0	479.8	533.8	589.0	643.4	699.0	751.3	813.6
850	199.6	246.1	288.2	341.6	382.4	436.7	472.0	526.0	581.2	635.6	691.2	743.5	805.8
855	191.6	238.1	280.2	333.6	374.5	428.8	464.2	518.1	573.4	627.7	683.3	735.6	797.9
860	183.6	230.1	272.2	325.6	366.6	420.8	456.3	510.2	565.5	619.8	675.4	727.7	790.0
865	175.5	222.0	264.2	317.6	358.6	412.9	448.3	502.3	557.5	611.9	667.4	719.8	782.1
870	167.3	213.9	256.1	309.5	350.6	404.8	440.3	494.3	549.5	603.9	659.4	711.8	774.1
875	159.2	205.7	253.5	301.4	355.1	396.7	446.3	486.2	541.5	595.8	651.4	703.7	766.0
880	150.9	197.5	245.2	293.2	346.9	388.6	438.2	478.1	533.4	587.8	643.3	695.6	757.9
885	147.5	189.2	237.0	285.0	338.7	380.4	430.0	470.0	525.2	579.6	635.2	687.5	749.8
890	139.1	180.9	228.6	276.7	330.4	372.2	421.8	461.8	517.0	571.4	627.0	679.3	741.6
895	130.8	172.5	220.3	268.4	322.1	363.9	413.5	453.6	508.8	563.2	618.7	671.1	733.4
900	122.3	164.1	211.8	265.9	313.7	368.8	405.2	460.0	500.5	554.9	610.5	662.8	725.1
905	113.8	155.6	203.4	257.4	305.3	360.4	396.8	451.6	492.2	546.6	602.1	654.4	716.7
910	105.3	152.2	194.9	249.0	296.8	351.9	388.4	443.2	483.8	538.2	593.8	646.1	708.4
915	96.7	143.6	186.3	240.4	288.3	343.4	379.9	434.7	475.4	529.8	585.3	637.6	700.0

Data: weight in kg for
D/d × 1000 mm

PA6C

Product Charts

Tubes



TUBES PA6C							Ø mm						
Ød \ ØD	950	975	1000	1025	1050	1075	1100	1125	1150	1175	1200	1225	1250
920	135.0	177.7	231.8	279.8	334.9	371.4	426.2	466.9	521.3	576.9	629.2	691.5	754.4
925	126.3	169.0	223.2	277.3	326.3	376.6	417.7	473.7	512.8	568.3	620.7	683.0	746.0
930	117.6	160.3	214.5	268.6	317.6	368.0	409.0	465.1	504.2	559.8	612.1	674.4	737.4
935	108.8	156.9	205.8	259.9	308.9	359.3	400.4	456.5	495.6	551.2	603.5	665.8	728.9
940	100.0	148.1	197.0	251.1	300.2	350.5	391.7	447.8	487.0	542.5	594.8	657.1	720.3
945		139.2	188.2	242.3	291.4	341.7	382.9	439.0	478.3	533.8	586.1	648.4	711.6
950		130.3	179.4	233.5	289.0	332.9	388.6	430.2	485.5	525.0	577.4	639.7	702.9
955		121.3	170.4	224.5	280.1	324.0	379.7	421.4	476.6	516.2	568.6	630.9	694.2
960		112.3	167.1	215.6	271.1	315.1	370.7	412.5	467.7	507.4	559.7	622.0	685.4
965		103.3	158.1	206.6	262.1	306.1	361.7	403.5	458.8	498.5	550.8	613.1	676.5
970			149.0	197.5	253.0	297.0	352.7	394.6	449.8	489.6	541.9	604.2	667.6
975			139.9	188.4	243.9	294.7	343.6	400.6	440.8	497.2	532.9	595.2	658.7
980			130.7	179.3	234.8	285.6	334.5	391.5	431.7	488.1	523.9	586.2	649.7
985			121.5	176.0	225.6	276.4	325.3	382.3	422.5	479.0	514.8	577.1	640.7
990			112.2	166.7	216.3	267.1	316.1	373.1	413.4	469.8	505.7	568.0	631.6
995				157.4	207.0	257.8	306.8	363.8	404.1	460.6	496.5	558.8	622.4
1000				148.0	197.7	248.5	304.6	354.5	410.6	451.3	504.4	549.6	613.3
1005				138.6	188.3	239.1	295.2	345.1	401.2	442.0	495.1	540.3	604.0
1010				129.1	185.1	229.6	285.7	335.7	391.8	432.6	485.8	531.0	594.8
1015				119.6	175.6	220.1	276.2	326.2	382.3	423.2	476.3	521.6	585.5
1020					166.0	210.6	266.7	316.7	372.8	413.7	466.9	512.2	576.1
1025					156.4	201.0	257.1	314.5	363.3	420.6	457.4	520.7	566.7
1030					146.8	191.4	247.5	304.9	353.7	411.0	447.8	511.1	557.2
1035					137.1	188.2	237.8	295.2	344.0	401.3	438.2	501.5	547.7
1040					127.3	178.5	228.1	285.5	334.3	391.6	428.6	491.8	538.2
1045						168.7	218.3	275.7	324.6	381.9	418.9	482.1	528.6
1050						158.8	208.5	265.9	322.4	372.1	426.0	472.4	537.5
1055						148.9	198.6	256.1	312.6	362.2	416.2	462.6	527.7
1060						139.0	195.5	246.1	302.7	352.3	406.3	452.8	518.0
1065						129.0	185.5	236.2	292.7	342.4	396.4	442.9	508.1
1070							175.5	226.2	282.7	332.4	386.4	432.9	498.2
1075							165.4	216.1	272.6	330.4	376.4	440.6	488.3
1080							155.3	206.0	262.5	320.3	366.3	430.5	478.3

Data: weight in kg for D/d × 1000 mm

Tubes



TUBES PA6C							
	Ø						
	mm						
Ød \ ØD	1100	1125	1150	1175	1200	1225	1250
1085	145.1	203.0	252.4	310.1	356.1	420.4	468.3
1090	134.9	192.7	242.2	299.9	346.0	410.2	458.2
1095		182.5	231.9	289.7	335.7	400.0	448.1
1100		172.1	221.6	279.4	333.8	389.7	456.2
1105		161.8	211.3	269.0	323.4	379.4	445.9
1110		151.3	208.3	258.6	313.0	369.1	435.6
1115		140.9	197.8	248.2	302.6	358.6	425.3
1120			187.3	237.7	292.1	348.2	414.8
1125			176.8	227.2	281.6	346.3	404.4
1130			166.1	216.6	271.0	335.7	393.9
1135			155.5	213.7	260.3	325.1	383.3
1140			144.8	203.0	249.7	314.4	372.7
1145				192.2	238.9	303.7	362.1
1150				181.4	228.2	292.9	360.3
1155				170.6	217.3	282.1	349.6
1160				159.7	214.5	271.2	338.7
1165				148.7	203.5	260.3	327.9
1170					192.5	249.4	317.0
1175					181.5	238.3	306.0
1180					170.4	227.3	295.0
1185					159.3	224.5	283.9
1190					148.1	213.4	272.8
1195						202.1	261.7
1200						190.9	250.5
1205						179.5	239.2
1210						168.1	236.6
1215						156.7	225.2
1220							213.8
1225							202.3
1230							190.8
1235							179.2
1240							167.6



Data: weight in kg for
D/d × 1000 mm

For further dimensions please contact us directly.

Colours:

Natural, black

Other colours available on request

POM-C

Product Information



Our POM-C quality plastics

This semi-crystalline thermoplastic features good frictional properties and high dimensional stability. POM-C offers high mechanical load-bearing capacity paired with good machinability. For all customers requiring mechanically precise components and strict tolerance ranges, our POM-C is highly recommended. Thanks to its low moisture absorption, POM-C is suitable for components that must function under water or in a wet environment – humidity does not change its properties. POM-C is also resistant to a wide range of organic solvents and chemicals.

Applications of POM-C:

- For components requiring high dimensional stability (gearbox, guide roller, bearing, etc.)
- For components used in a humid environment.

Characteristics:

- Excellent friction properties
- High wear resistance
- High dimensional stability
- High chemical resistance
- Low moisture absorption

POM-C variants

POM-C

Acetal in its pure form with no additives. POM-C is available in sheets, rods, blanks and finished parts manufactured according to your drawing. Our POM-C fulfils all food-contact safety requirements according to FDA and EN regulations.

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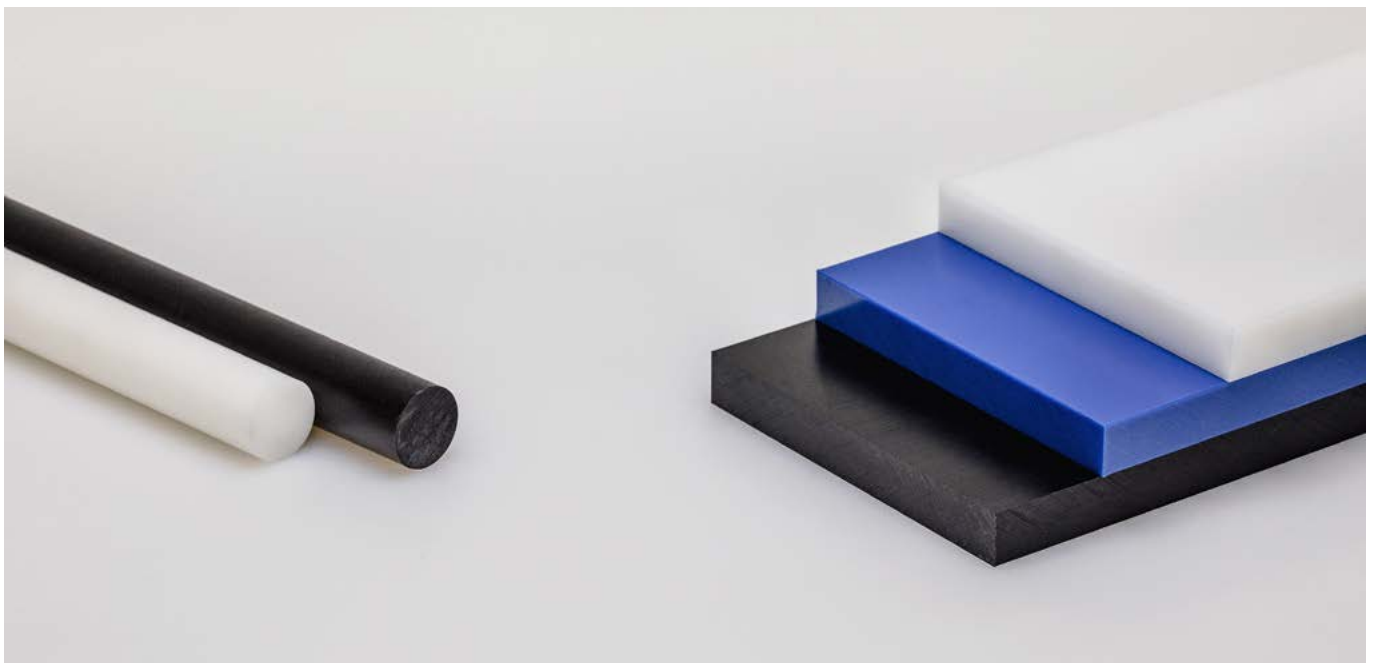
POM-C ESD AST/antistatic

This variant offers excellent antistatic performance and retains a constant level of conductivity between 10^9 and 10^{11} ohms. It is suitable for various applications in the semiconductor industry, as well as in LCD/TFT-related technology and other areas of the electronics and electrical appliance sectors.

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POM-C ELS EC/conductive

Manufactured with CNT (carbon-nano-tube) POM-C, this option retains a constant conductivity between 10^6 and 10^9 ohms with minimal deviations from the physical properties of the original POM-C. It is suitable for various applications in the semiconductor industry, as well as in LCD/TFT-related technology and other areas of the electronics and electrical appliance sectors.



In addition to these existing options, we can supply you with specialised POM-C solutions to meet your individual technical requirements.

POM-C

Product Charts

Sheets



SHEETS POM-C	Thick- ness mm	Tolerance mm	Weight kg/item
2000 x 1000 mm	5	+0.1 ~ +1.0	14.80
	6	+0.1 ~ +1.0	17.76
	8	+0.1 ~ +1.0	23.68
	10	+0.1 ~ +2.0	29.60
	12	+0.1 ~ +2.0	35.52
	15	+0.1 ~ +2.0	44.40
	20	+0.1 ~ +2.0	59.20
	25	+0.1 ~ +2.0	74.00
	30	+0.3 ~ +3.5	88.80
	35	+0.3 ~ +3.5	103.60
	40	+0.3 ~ +3.5	118.40
	45	+0.3 ~ +3.5	133.20
	50	+0.3 ~ +3.5	148.00
	60	+0.3 ~ +4.5	177.60
	70	+0.3 ~ +4.5	207.20
	80	+0.3 ~ +5.5	236.80
	90	+0.3 ~ +5.5	266.40
	100	+0.3 ~ +5.5	296.00

Colour:

Natural (whitish), black, blue
Other colours on request

For other dimensions please
contact us directly!



Round Bars



ROUND BARS POM-C	Ø mm	Tolerance mm	Thickness kg/item	Weight kg/item
			L = 1000 mm	L = 3000 mm
	11	+0.1 ~ +1.0	0.14	0.42
	12	+0.1 ~ +1.0	0.17	0.50
	13	+0.1 ~ +1.0	0.20	0.59
	14	+0.1 ~ +1.0	0.23	0.68
	15	+0.1 ~ +1.0	0.26	0.78
	16	+0.1 ~ +1.0	0.30	0.89
	20	+0.1 ~ +1.0	0.46	1.39
	25	+0.1 ~ +1.5	0.73	2.18
	30	+0.1 ~ +1.5	1.05	3.14
	35	+0.1 ~ +1.5	1.42	4.27
	40	+0.1 ~ +1.5	1.86	5.58
	45	+0.2 ~ +2.0	2.35	7.06
	50	+0.2 ~ +2.0	2.90	8.71
	55	+0.2 ~ +2.0	3.51	10.54
	60	+0.2 ~ +2.2	4.18	12.55
	65	+0.2 ~ +2.2	4.91	14.73
	70	+0.2 ~ +2.2	5.69	17.08
	75	+0.3 ~ +2.5	6.54	19.61
	80	+0.3 ~ +2.5	7.44	22.31
	85	+0.3 ~ +2.5	8.39	25.18
	90	+0.3 ~ +2.5	9.41	28.23
	95	+0.5 ~ +3.5	10.49	31.46
	100	+0.5 ~ +3.5	11.62	34.85
	110	+0.5 ~ +3.5	14.06	42.17
	120	+0.5 ~ +4.5	16.73	50.19
	125	+0.5 ~ +4.5	18.15	54.46
	130	+0.5 ~ +4.5	19.63	58.90
	140	+0.5 ~ +4.5	22.77	68.31
	150	+0.5 ~ +4.5	26.14	78.42
	160	+1.0 ~ +5.5	29.74	89.23
	170	+1.0 ~ +5.5	33.58	100.73
	180	+1.0 ~ +5.5	37.64	112.93
	190	+1.0 ~ +5.5	41.94	125.82
	200	+1.0 ~ +5.5	46.47	139.42
	210	+1.0 ~ +7.0	51.24	153.71
	225	+1.0 ~ +7.0	58.82	176.45
	250	+1.0 ~ +7.0	72.61	271.84
	280	+1.0 ~ +7.0	91.09	273.26
	300	+1.0 ~ +7.0	104.56	313.69

Round Bars



ROUND BARS POM-C	Ø mm	Tolerance mm	Weight kg/item	Weight kg/item
			L = 1000 mm	L = 3000 mm
	3	+0.1 ~ +0.6	0.01	0.03
	4	+0.1 ~ +0.6	0.02	0.06
	5	+0.1 ~ +0.6	0.03	0.09
	6	+0.1 ~ +0.6	0.04	0.13
	7	+0.1 ~ +0.6	0.06	0.17
	8	+0.1 ~ +0.6	0.07	0.22
	9	+0.1 ~ +0.6	0.09	0.28
	10	+0.1 ~ +0.6	0.12	0.35



PET

Product Information



Our PET quality plastics

Alongside POM-C and PA6 casting, PET (or PET P) is one of the most widely-used technical plastics. Its excellent mechanical properties make it ideal for applications like precision mechanical components. PET offers high tensile strength and mechanical load-bearing capacity, stable hardness and good dimensional stability. Because of its low coefficient of friction, Comco PET is frequently used for components demanding high wear resistance such as wear parts, bearings, bushings, turntables or track rollers. PET is also suitable for applications in the food processing industry requiring high chemical resistance and low moisture absorption.

Applications of PET:

- PET is used for various types of gears, wear pads, guide rollers, bearings and components used in food processing.

Characteristics:

- Excellent mechanical properties
- High dimensional stability
- High chemical resistance
- Low moisture absorption
- Low thermal expansion

Sheets



SHEETS PET	Thick- ness mm	Tolerance mm	Weight kg/item
610 x 1000 mm	10	+0.2 ~ +0.9	8.97
	12	+0.3 ~ +1.5	10.76
	16	+0.3 ~ +1.5	14.35
	20	+0.3 ~ +1.5	17.93
	25	+0.3 ~ +1.5	22.42
	30	+0.3 ~ +1.5	26.90
	35	+0.5 ~ +2.5	31.38
	40	+0.5 ~ +2.5	35.87
	50	+0.5 ~ +2.5	44.84
	60	+0.5 ~ +3.5	53.80
	80	+0.5 ~ +3.5	71.74
	100	+0.5 ~ +5.5	89.67

Colours:

Natural (cream)

Other colours available on request

For other dimensions, please contact us directly.

Round Bars



ROUND BARS PET	Ø mm	Tolerance mm	Weight kg/item L = 1000 mm	Weight kg/item L = 3000 mm
	10	+0.1 ~ +0.5	0.12	0.35
	12	+0.1 ~ +0.7	0.17	0.50
	16	+0.1 ~ +0.7	0.30	0.89
	20	+0.1 ~ +0.7	0.46	1.38
	25	+0.2 ~ +0.9	0.72	2.16
	30	+0.2 ~ +0.9	1.04	3.12
	35	+0.2 ~ +1.1	1.41	4.24
	40	+0.2 ~ +1.1	1.85	5.54
	45	+0.3 ~ +1.3	2.34	7.01
	50	+0.3 ~ +1.3	2.88	8.65
	55	+0.3 ~ +1.3	3.49	10.47
	60	+0.3 ~ +1.6	4.15	12.46
	65	+0.3 ~ +1.6	4.88	14.63
	70	+0.3 ~ +1.6	5.65	16.96
	75	+0.3 ~ +1.6	6.49	19.47
	80	+0.4 ~ +2.0	7.39	22.16
	85	+0.4 ~ +2.0	8.34	25.01
	90	+0.5 ~ +2.2	9.35	28.04
	95	+0.5 ~ +2.2	10.41	31.24
	100	+0.6 ~ +2.5	11.54	34.62
	110	+0.7 ~ +3.0	13.96	41.89
	120	+0.8 ~ +3.5	16.62	49.85
	130	+0.8 ~ +3.5	19.50	58.51
	140	+0.9 ~ +3.8	22.62	67.85
	150	+1.0 ~ +3.8	25.96	77.89
	160	+1.1 ~ +4.2	29.54	88.62
	180	+1.2 ~ +5.0	37.39	112.16
	200	+1.3 ~ +5.5	46.16	138.47



PET-P is available in sheets, rods, blanks and finished parts manufactured according to your drawings. In addition, we supply individual solutions tailored to your specific technical requirements.

PEEK

Product Information



Our PEEK Quality Plastics

PEEK offers excellent mechanical strength, high chemical and hydrolysis resistance as well as high radiation and steam resistance. The continuous operating temperature of PEEK is about 250°C. Thanks to its excellent thermal properties, PEEK is suitable for applications at very high temperatures. Its physical properties remain unaffected by the external environment.

Areas of application for PEEK:

- This highly robust material is used for components in semiconductor systems, LCD manufacturing plants, fine machining plants, chemical plants, electroplating plants and insulating materials.

Characteristics:

- Excellent thermal properties
- Excellent mechanical properties
- Excellent wear resistance
- Excellent creep resistance
- Excellent chemical resistance
- Excellent radiation resistance
- Non-flammable

PEEK-ELS EC/conductive

This variant is made of CNT (carbo-nano-tube) PEEK resin. It retains a constant conductivity level between 10^4 and 10^6 ohms. The physical properties remain almost unchanged – just like those of the original PEEK.

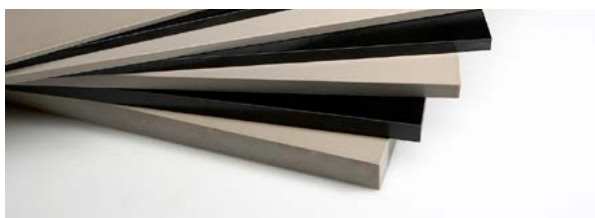
Please note that when the glass transition temperature of approximately 150 °C is reached, changes in the physical properties of PEEK may occur.

Sheets



SHEETS PEEK	Thick- ness mm	Tolerance mm	Weight kg/item
610 x 1000 mm	5	+0.2 ~ +1.2	4.18
	6	+0.2 ~ +1.2	5.01
	8	+0.2 ~ +1.2	6.69
	10	+0.2 ~ +1.5	8.36
	12	+0.2 ~ +1.5	10.03
	16	+0.2 ~ +1.5	13.37
	20	+0.2 ~ +1.5	16.71
	25	+0.2 ~ +1.5	20.89
	30	+0.2 ~ +1.5	25.07
	35	+0.2 ~ +2.0	29.25
	40	+0.2 ~ +2.0	33.43
	45	+0.2 ~ +2.0	37.61
	50	+0.2 ~ +2.0	41.79
	55	+0.2 ~ +2.0	45.96
	60	+0.2 ~ +2.0	50.14

SHEETS PEEK	Thick- ness mm	Tolerance mm	Weight kg/item
2000 x 1000 mm	5	+0.2 ~ +1.2	13.70
	6	+0.2 ~ +1.2	16.44
	8	+0.2 ~ +1.5	21.92
	10	+0.2 ~ +1.5	27.40
	12	+0.2 ~ +1.5	32.88
	16	+0.2 ~ +1.5	43.84
	20	+0.2 ~ +1.5	54.80
	25	+0.2 ~ +1.5	68.50
	30	+0.2 ~ +1.5	82.20



Colours:

Natural (brownish), black

Other colours available on request

For further dimensions, please contact us directly.

PEEK is available in sheets, rods, blanks and finished parts manufactured according to your drawings. We also supply different variants made to meet your special technical needs.

Round bars



ROUND BARS PEEK	Ø mm	Tolerance mm	Weight kg/item	Gewicht kg/item
			L = 1000 mm	L = 3000 mm
	5	+0.1 ~ +0.9	0.03	0.08
	6	+0.1 ~ +0.9	0.04	0.12
	8	+0.2 ~ +1.0	0.07	0.21
	10	+0.2 ~ +1.0	0.11	0.32
	12	+0.2 ~ +1.0	0.16	0.47
	16	+0.2 ~ +1.0	0.28	0.83
	20	+0.2 ~ +1.5	0.43	1.29
	25	+0.2 ~ +1.5	0.67	2.02
	30	+0.2 ~ +1.5	0.97	2.90
	35	+0.2 ~ +1.5	1.32	3.95
	40	+0.2 ~ +1.5	1.72	5.16
	45	+0.2 ~ +1.5	2.18	6.53
	50	+0.2 ~ +1.5	2.69	8.07
	55	+0.2 ~ +1.5	3.25	9.76
	60	+0.5 ~ +2.0	3.87	11.62
	65	+0.5 ~ +2.0	4.54	13.63
	70	+0.5 ~ +2.5	5.27	15.81
	75	+0.5 ~ +2.5	6.05	18.15
	80	+0.5 ~ +2.5	6.88	20.65
	90	+0.5 ~ +2.5	8.71	26.13
	100	+1.0 ~ +3.0	10.76	32.26
	110	+1.0 ~ +3.0	13.01	39.04
	120	+1.0 ~ +3.0	15.49	46.46
	130	+1.0 ~ +3.0	18.18	54.53
	140	+1.0 ~ +3.0	21.08	63.24
	150	+1.0 ~ +3.0	24.20	72.59
	160	+1.0 ~ +3.0	27.53	82.60
	180	+1.0 ~ +3.0	34.85	104.53
	190	+1.0 ~ +3.0	38.82	116.47
	200	+1.0 ~ +3.0	43.02	129.05



PTFE

Product Information



Material PTFE pure / Teflon virginal

The plastic with the highest resistance to chemicals and extremely low adhesion, Teflon / PTFE is a soft sintered material with a low level of mechanical resistance. Its most important properties are: resistance to almost all chemicals, very high continuous service temperature, 260 °C flame retardance, low coefficient of friction, extremely low adhesion, low strength and hardness and high frictional wear.

Other designations:

Teflon, PTFE, Teflon virginal, PTFE pure

PTFE can be supplied in the following modifications:

- MK-TF Mod. 15% glass
- MK-TF Mod. 15% graphite
- MK-TF Mod. 15% coal
- MK-TF Mod. 25% glass
- MK-TF Mod. 25% coal
- MK-TF Mod. 5% glass + 10% graphite
- MK-TF Mod. 5% glass + 10% coal

Standard colour:

Natural

Areas of application:

- Seals, coatings or plain bearings
(if a low frictional resistance is required, but no wear stress occurs)

PTFE

Product Charts

Sheets



Sheets PTFE	Thickness mm
1000 × 1000	2,5–80
1200 × 1200	3–80
1500 × 1500	4–35
1800 × 1800	4–20
2000 × 1000	4–100

Peeled sheets



Peeled sheets PTFE	Width mm	Thickness mm	Max. Length/Roll m
	1000	0.2 ~ 6	
	1200	0.25 ~ 6	
	1500	0.5 ~ 6	
	2000	0.5 ~ 6	
		0.2	100
		0.3	100
		0.3	200
		0.4	150
		0.5	120
		0.6	100
		0.7	80
		0.8	70
		0.9	60
		1.0	60
		1.2	45
		1.5	40
		1.8	30
		2.0	30
		2.4	23
		2.5	23
		2.7	20
		2.8	20
		3	20
		4	15
		5	12
		6	10

PTFE is billed according to actual delivery weight.

Extruded Round Bars



Extruded Round Bars PTFE	Ø mm
L = 1000 mm/3000 mm	7
	8
	9
	10
	11
	12
	13
	14
	15
	16
	17
	18
	19
	20
	25
	30
	35
	40
	45
	50
	55
	60
	65
	70
	75
	80
	85
	90
	95
	100
	105
	110
	115
	120
	125
	130
	135
	140
	150
	160
	170
	180
	190
	200

PTFE

Product Charts

Round Bars Pressed



Round Bars Pressed PTFE	Ø mm
L = 300 mm	20
L = 300 mm	25
L = 300 mm	30
L = 300 mm	35
L = 300 mm	40
L = 300 mm	45
L = 300 mm	50
L = 300 mm	55
L = 300 mm	60
L = 300 mm	65
L = 300 mm	70
L = 300 mm	75
L = 300 mm	80
L = 300 mm	85
L = 300 mm	90
L = 300 mm	95
L = 300 mm	100
L = 300 mm	105
L = 300 mm	110
L = 300 mm	115
L = 300 mm	120
L = 300 mm	125
L = 300 mm	130
L = 300 mm	135
L = 300 mm	140
L = 300 mm	150
L = 300 mm	160
L = 300 mm	170
L = 300 mm	180
L = 300 mm	190
L = 300 mm	200
L = 300 mm	210
L = 300 mm	220
L = 300 mm L = 1000 mm	230
L = 300 mm L = 1000 mm	240
L = 300 mm L = 1000 mm	250
L = 300 mm	260
L = 300 mm	270
L = 300 mm	280
L = 300 mm	290
L = 300 mm	300
L = 300 mm	310
L = 300 mm	320
L = 300 mm	330
L = 300 mm	340
L = 300 mm	350

Tubes



HOLLOW ROD PTFE	Ø mm	Length mm
	15-25	100 300
	10-30	100 300
	15-30	100 300
	16-30	100 300
	18-30	100 300
	25-30	100 300
	10-35	150 300
	15-35	150 300
	18-35	250 300
	20-35	150 300
	25-35	100 300
	18-38	100
	25-38	100
	10-40	300
	15-40	300
	18-40	300
	20-40	300
	25-40	300
	28-40	300
	15-45	300
	18-45	300
	20-45	300
	25-45	300
	30-45	300
	35-45	300
	20-46	270
	25-46	300
	15-50	300
	20-50	300
	25-50	300
	30-50	300
	35-50	300
	40-50	300
	20-55	300
	25-55	300
	30-55	300
	35-55	270 300
	45-55	300

Ø mm	Length mm
15-60	300
18-60	300
20-60	300
25-60	300
30-60	300
35-60	300
40-60	300
20-65	300
25-65	300
30-65	300
35-65	300
40-65	300
45-65	300
50-65	300
20-70	300
25-70	300
30-70	300
35-70	300
40-70	300
45-70	300
50-70	300
55-70	300
30-75	300
35-75	300
40-75	300
50-75	300
55-75	300
60-75	300
15-80	300
25-80	300
30-80	300
35-80	300
40-80	300
50-80	300
60-80	300
65-80	300
25-85	300
30-85	300



Tubes

Ø mm	Length mm
35-85	300
40-85	300
45-85	300
50-85	300
55-85	300
60-85	300
65-85	300
70-85	300
30-90	300
35-90	300
40-90	300
45-90	300
50-90	300
55-90	300
60-90	300
65-90	300
70-90	300
75-90	300
20-95	300
25-95	300
35-95	300
45-95	300
50-95	300
55-95	300
60-95	300
65-95	300
75-95	300
78-95	300
80-95	300
20-100	300
30-100	300
35-100	300
40-100	300
50-100	300
55-100	300
60-100	300
65-100	300
70-100	300

TUBES PTFE	Ø mm	Length mm
	75-100	300
	80-100	300
	85-100	300
	88-100	150
	40-105	300
	45-105	300
	48-105	300
	55-105	300
	60-105	300
	70-105	300
	75-105	300
	78-105	300
	88-105	300
	30-110	300
	40-110	300
	45-110	300
	50-110	300
	55-110	300
	60-110	300
	65-110	300
	70-110	300
	75-110	300
	80-110	300
	85-110	300
	88-110	300
	90-110	300
	95-110	300
	35-115	300
	50-115	300
	60-115	300
	78-115	300
	85-115	300
	88-115	300
	35-120	300
	40-120	300
	50-120	300
	60-120	300
	70-120	300

Ø mm	Length mm
75-120	300
80-120	300
85-120	300
90-120	300
100-120	300
105-120	300
45-125	300
50-125	300
60-125	300
70-125	300
80-125	300
85-125	300
88-125	300
95-125	300
100-125	300
105-125	300
50-130	300
60-130	300
70-130	300
75-130	300
80-130	300
85-130	300
88-130	300
90-130	300
95-130	300
100-130	300
105-130	300
110-130	300
45-135	300
80-135	300
90-135	300
95-135	300
100-135	300
105-135	300
110-135	300
115-135	300
40-140	300
45-140	300

PTFE

Product Charts

Tubes



Tubes PTFE	Ø mm	Length mm
	48-140	300
	50-140	300
	55-140	300
	70-140	300
	75-140	300
	80-140	300
	85-140	300
	90-140	300
	95-140	300
	100-140	300
	115-140	300
	120-140	300
	45-150	300
	50-150	300
	60-150	300
	70-150	300
	75-150	300
	80-150	300
	85-150	300
	88-150	300
	100-150	300
	109-150	150
	110-150	300
	115-150	300
	120-150	300
	130-150	300
	140-150	300
	35-160	300
	50-160	300
	60-160	300
	65-160	300
	70-160	300
	80-160	300
	85-160	300
	90-160	300
	95-160	300
	100-160	300
	110-160	300

Ø mm	Length mm
120-160	300
130-160	300
140-160	300
50-170	300
55-170	300
70-170	300
80-170	300
90-170	300
100-170	300
105-170	300
110-170	300
115-170	300
120-170	300
130-170	300
135-170	300
140-170	300
150-170	300
45-180	300
50-180	300
70-180	300
80-180	300
88-180	300
90-180	300
100-180	300
110-180	300
115-180	300
120-180	300
130-180	300
140-180	300
150-180	300
78-190	300
88-190	300
105-190	300
110-190	300
115-190	300
120-190	300
130-190	300
140-190	300

Ø mm	Length mm
150-190	300
170-190	300
50-200	300
60-200	300
80-200	300
90-200	300
120-200	300
130-200	300
140-200	300
150-200	300
160-200	140
165-200	300
180-200	300
40-210	300
50-210	300
110-210	300
130-210	300
140-210	300
150-210	300
165-210	300
180-210	300
50-220	300
100-220	300
110-220	300
125-220	300
130-220	200 300
140-220	300
150-220	300
170-220	300
180-220	300
190-220	300
200-220	300
50-230	300
100-230	300
120-230	300
130-230	300
150-230	300
165-230	300



Tubes

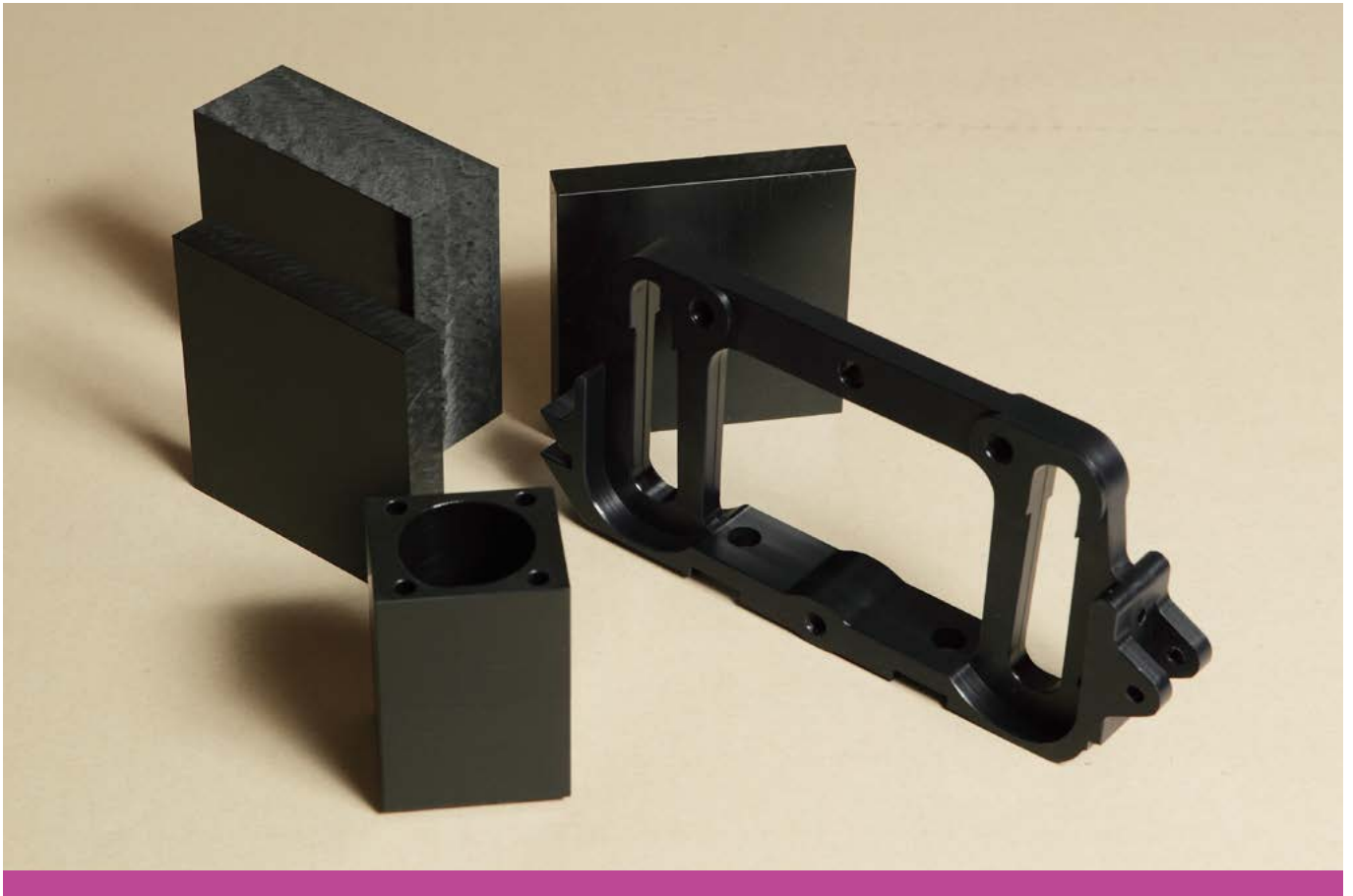
Tubes PTFE	Ø mm	Length mm
	180-230	300
	190-230	300
	200-230	300
	60-250	300
	90-250	300
	100-250	300
	120-250	300
	130-250	300
	150-250	300
	165-250	300
	180-250	300
	190-250	300
	200-250	300
	205-250	300
	210-250	300
	220-250	300
	230-250	300
	70-260	300
	100-260	300
	110-260	300
	120-260	300
	140-260	300
	150-260	300
	180-260	300
	190-260	300
	200-260	300
	210-260	200 300
	215-260	300
	230-260	300
	240-260	300
	100-280	300
	130-280	300
	150-280	300
	165-280	300
	180-280	300
	200-280	300
	220-280	300
	240-280	300

Ø mm	Length mm
250-280	300
45-300	300
75-300	300
100-300	300
140-300	300
150-300	300
180-300	300
190-300	300
200-300	300
240-300	300
250-300	300
265-300	300
100-320	300
230-320	300
270-320	300
250-325	150
290-325	150
300-325	150
230-330	200 300
250-330	200 300
150-350	200 300
180-350	200 300
200-350	300
200-350	300
250-350	300
265-350	300
300-350	200 300
310-350	200
300-360	300
300-385	300
310-385	200
330-385	150
230-400	125 150
300-400	100 150
330-400	100 150
350-400	125
250-420	150
330-420	150

Ø mm	Length mm
350-420	150
300-450	150
350-450	100
330-460	200
380-460	200
395-460	100
300-500	125
615-680	100

PA6.6

Product Information



Our PA 6.6 – quality plastic

Compared to PA 6, PA 6.6 has a slightly higher surface hardness and rigidity, as well as reduced moisture absorption. Further positive features include increased wear and heat resistance, but it has a lower toughness compared to PA 6.

One popular modification is the 30% glass fibre reinforcement. PA 6.6 GF 30 features increased dimensional stability, very high rigidity and even greater heat resistance compared to unreinforced versions.

Application areas for PA 6.6:

- Mechanical engineering
- Aircraft construction
- Electrical appliance industry
- Automobile industry
- Equipment manufacturing

Product Information / Product Charts

Characteristics:

- Good dimensional stability
- Very good antifriction properties
- High abrasion resistance
- Exceptionally high strength and hardness across a wide range of temperatures
- Very good machinability
- Good self-adhesive properties
- Good weldability
- High continuous service temperature

Colour:

natural and PA 6.6 GF 30 in black

Sheets



SHEETS PA 6.6	Thickness mm	Tolerance mm	Weight kg/item
3000 x 610 mm	8	+0.2 / +0.9	18.45
	10	+0.2 / +0.9	22.77
	12	+0.3 / +1.5	27.84
	15	+0.3 / +1.5	34.35
	16	+0.3 / +1.5	36.45
	20	+0.3 / +1.5	45.15
	25	+0.3 / +1.5	55.95
	30	+0.5 / +2.5	67.95
	35	+0.5 / +2.5	78.75
	40	+0.5 / +2.5	89.55
	45	+0.5 / +2.5	100.35
	50	+0.5 / +2.5	111.15
	60	+0.5 / +3.5	133.80
	70	+0.5 / +3.5	155.40
	80	+0.5 / +5.0	178.65
	90	+0.5 / +5.0	200.25
	100	+0.5 / +5.0	221.85

Round Bars



ROUND BARS PA 6.6	Ø mm	Tolerance mm	Weight kg/item
L = 3000 mm	5	+0.1 / +0.4	0.08
	6	+0.1 / +0.4	0.11
	8	+0.1 / +0.5	0.19
	10	+0.1 / +0.5	0.29
	12	+0.2 / +0.7	0.42
	14	+0.2 / +0.7	0.57
	15	+0.2 / +0.7	0.65
	16	+0.2 / +0.7	0.74
	18	+0.2 / +0.7	0.93
	20	+0.2 / +0.7	1.14
	22	+0.2 / +0.9	1.39
	25	+0.2 / +0.9	1.79
	28	+0.2 / +0.9	2.22
	30	+0.2 / +0.9	2.55
	32	+0.2 / +1.1	2.91
	36	+0.2 / +1.1	3.66
	40	+0.2 / +1.1	4.50
	45	+0.3 / +1.3	5.73
	50	+0.3 / +1.3	7.05
	56	+0.3 / +1.3	8.79
	60	+0.3 / +1.6	10.14
	65	+0.3 / +1.6	11.85
	70	+0.3 / +1.6	13.71
	75	+0.4 / +2.0	15.84
	80	+0.4 / +2.0	17.97
	85	+0.5 / +2.2	20.34
	90	+0.5 / +2.2	22.74
	95	+0.6 / +2.5	25.41
	100	+0.6 / +2.5	28.11
	110	+0.7 / +3.0	34.05
	120	+0.8 / +3.5	40.65
	125	+0.8 / +3.5	44.10
	130	+0.9 / +3.8	47.70
	140	+0.9 / +3.8	55.20
	150	+1.0 / +4.2	63.45
	160	+1.1 / +4.5	72.30
	170	+1.2 / +5.0	81.75
	180	+1.2 / +5.0	91.35
	190	+1.3 / +5.5	102.00
	200	+1.3 / +5.5	112.80
	220	+1.3 / +5.8	136.20
	250	+1.5 / +6.2	175.65

PA6.6 GF30

Product Charts

Sheets



SHEETS PA 6.6 GF30	Thickness mm	Tolerance mm	Weight kg/item
3000 x 625 mm	10	+0.2 / +0.9	26.52
	15	+0.3 / +1.5	39.90
	20	+0.3 / +1.5	52.50
	25	+0.3 / +1.5	65.10
	30	+0.5 / +2.5	79.20
	40	+0.5 / +2.5	104.40
	50	+0.5 / +2.5	129.45
	60	+0.5 / +3.5	155.85
	70	+0.5 / +3.5	181.05
	80	+0.5 / +5.0	208.05
	90	+0.5 / +5.0	233.10
	100	+0.5 / +5.0	258.30

Round Bars



ROUND BARS PA 6.6 GF30	Ø mm	Tolerance mm	Weight kg/item
L = 3000 mm	10	+0.1 / +0.5	0.33
	12	+0.2 / +0.7	0.49
	15	+0.2 / +0.7	0.75
	16	+0.2 / +0.7	0.85
	18	+0.2 / +0.7	1.07
	20	+0.2 / +0.7	1.31
	22	+0.2 / +0.9	1.59
	25	+0.2 / +0.9	2.04
	28	+0.2 / +0.9	2.55
	30	+0.2 / +0.9	2.91
	32	+0.2 / +1.1	3.33
	36	+0.2 / +1.1	4.20
	40	+0.2 / +1.1	5.16
	45	+0.3 / +1.3	6.54
	50	+0.3 / +1.3	8.04
	60	+0.3 / +1.6	11.58
	70	+0.3 / +1.6	15.66
	80	+0.4 / +2.0	20.52
	90	+0.5 / +2.2	25.98
	100	+0.6 / +2.5	32.10
	110	+0.7 / +3.0	39.00
	120	+0.8 / +3.5	46.50
	125	+0.8 / +3.5	50.40
	130	+0.9 / +3.8	54.60
	140	+0.9 / +3.8	63.15
	150	+1.0 / +4.2	72.60
	180	+1.2 / +5.0	104.55
	200	+1.3 / 5.5	128.85



PA12 Cast

Product Information



Our PA12 Cast – quality plastic

PA 12 C is a polyamide 12, produced using a monomer casting process. Due to the completely pressureless process, the material becomes highly crystalline and low-tension with a homogeneous, uniform structure throughout. The casting process allows for versatile design.

Application areas for PA12 C:

- Control cams
- Seals
- Gear wheels

Characteristics

- Low moisture absorption
- Excellent chemical resistance
- High notched bar impact strength
- Excellent wear resistance
- Good antifriction properties
- High creep strength
- Dimensional and form stability

Formats

The following PA 12 C products are currently available for further processing:

Round bars

- Ø 20, 25, 30, 35, ... up to Ø 50 x 2000 mm
- Ø 60, 70, 80, 90, ... up to Ø 200 x 500 mm

Additional dimensions available upon request.

Tubes / Rings

- OD Ø 80, 90, 100, ... up to Ø 400 x 500 mm

combined with

- ID Ø 50, 60, 70, ... up to Ø 350 mm

Additional dimensions available upon request.

Sheets

- Standard size: 2000 x 1000 mm
- Standard thickness: 6, 8, 10, 15, 20, 25, ... up to 80 mm

Additional dimensions available upon request.

Moulded cast

- Unit weight up to approx. 600 kg
- Individual design suited to the application

PE 1000 / PE 1000 Regenerate

Product Information



Material PE 1000/PE-UHMW

This is a technical plastic used in many industrial fields to solve frictional and mechanical problems as well as material flow problems. The PE 1000 polyethylene product family is characterised by extreme wear resistance, high impact strength as well as excellent resistance to chemicals. These products have become well established in technical applications. It is an ultra-high molecular polyethylene, with a molecular weight of 4,000,000–9,000,000.

Other designations:

PE-UHMW, RCH1000

Material PE 1000 Reg.

These materials have been developed for technical applications, especially in the field of mechanical engineering. Our Regenerate type is made of ultra-high molecular polyethylene powder and finely ground PE 1000.

Applications of PE 1000/PE-UHMW/PE1000 Reg.:

- Our materials PE1000 & PE1000 Reg. are ideal for a multitude of different components in general mechanical engineering, such as sliding and conveying elements, carriers, screw conveyors etc.

Characteristics:

- Very high wear and abrasion resistance
- Low coefficient of sliding friction
- Very high notched bar impact strength

Other designations:

PE-UHMW R

PE 1000

Product Charts

Sheets



SHEETS PE 1000	Thick- ness mm	Tolerance mm	Weight kg/item	
			2000 × 1000	3000 × 1250
	1	+0 ~ +0.4	2.30	
	2	-0.2 ~ +0.2	3.84	
	3	-0.2 ~ +0.2	5.76	
	4	-0.2 ~ +0.2	7.68	
	5	-0.3 ~ +0.3	9.60	
	6	-0.3 ~ +0.3	11.52	
	8	-0.2 ~ +0.2	15.36	28.80
	10	-0.2 ~ +0.2	19.20	36.00
	12	-0.2 ~ +0.2	23.04	43.20
	15	-0.2 ~ +0.2	28.80	54.00
	20	-0.2 ~ +0.2	38.40	72.00
	25	-0.2 ~ +0.2	48.00	90.00
	30	-0.2 ~ +0.2	57.60	108.00
	35	-0.3 ~ +0.3	67.20	126.00
	40	-0.3 ~ +0.3	76.80	144.00
	50	-0.3 ~ +0.3	96.00	180.00
	60	-0.3 ~ +0.3	115.20	216.00
	70	-0.3 ~ +0.3	134.40	252.00
	80	-0.3 ~ +0.3	153.60	288.00
	90	-0.3 ~ +0.3	172.80	324.00
	100	-0.3 ~ +0.3	192.00	360.00
	110	-0.3 ~ +0.3	211.20	396.00
	120	-0.3 ~ +0.3	230.40	
	130	-0.5 ~ +0.5	249.60	
	140	-0.5 ~ +0.5	268.80	
	150	-0.5 ~ +0.5	288.00	

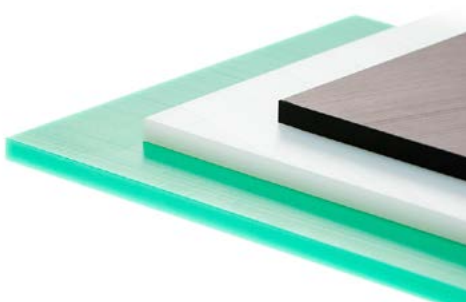
Colours:

Natural, green, black

Other colours available on request

Special designs:

PE 1000 AST, PE 1000 MoS, PE 1000 UV



Round Bars



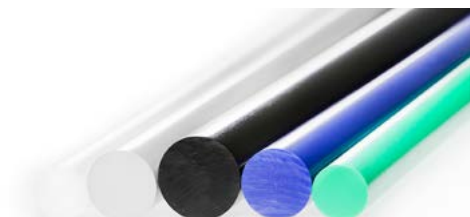
ROUND BARS PE 1000	Ø mm	Tolerance mm	Weight kg/item
L=2000 mm	10	+0.1 ~ +0.6	0.16
	15	+0.2 ~ +0.8	0.36
	20	+0.2 ~ +1.2	0.64
	25	+0.2 ~ +1.2	0.98
	30	+0.2 ~ +1.2	1.40
	35	+0.2 ~ +1.3	1.94
	40	+0.2 ~ +1.5	2.48
	45	+0.3 ~ +2.0	3.14
	50	+0.3 ~ +2.0	3.90
	55	+0.3 ~ +2.0	4.58
	60	+0.3 ~ +2.3	5.60
	65	+0.3 ~ +2.5	6.54
	70	+0.3 ~ +2.5	7.60
	75	+0.4 ~ +3.0	8.72
	80	+0.4 ~ +3.0	9.90
	85	+0.5 ~ +3.4	10.56
	90	+0.5 ~ +3.4	12.52
	100	+0.6 ~ +3.8	15.46
	110	+0.7 ~ +4.2	18.66
	120	+0.8 ~ +4.6	22.46
	125	+0.8 ~ +4.6	24.10
	130	+0.9 ~ +5.4	26.26
	140	+0.9 ~ +5.4	30.26
	150	+1.0 ~ +5.8	34.76
	160	+1.1 ~ +6.3	39.52
	180	+1.2 ~ +7.4	49.98
	200	+1.3 ~ +8.5	62.62

Colours:

Natural, green, black

Other colours available on request

For further dimensions, please contact us directly. We can supply finished parts, semi-finished products and cut-to-size parts made of PE 1000 and PE 1000 regenerate.



PE 1000 Regenerate

Product Charts

Sheets



SHEETS PE 1000 REG	Thick- ness mm	Tolerance mm	Weight	Weight
			kg/item 2000 × 1000	kg/item 3000 × 1250
	8	-0.2 ~ +0.2	15.36	28.80
	10	-0.2 ~ +0.2	19.20	36.00
	12	-0.2 ~ +0.2	23.04	43.20
	15	-0.2 ~ +0.2	28.80	54.00
	20	-0.2 ~ +0.2	38.40	72.00
	25	-0.2 ~ +0.2	48.00	90.00
	30	-0.2 ~ +0.2	57.60	108.00
	35	-0.3 ~ +0.3	67.20	126.00
	40	-0.3 ~ +0.3	76.80	144.00
	50	-0.3 ~ +0.3	96.00	180.00
	60	-0.3 ~ +0.3	115.20	216.00
	70	-0.3 ~ +0.3	134.40	252.00
	80	-0.3 ~ +0.3	153.60	288.00
	90	-0.3 ~ +0.3	172.80	324.00
	100	-0.3 ~ +0.3	192.00	360.00
	110	-0.3 ~ +0.3	211.20	396.00
	120	-0.3 ~ +0.3	230.40	
	130	-0.5 ~ +0.5	249.60	
	140	-0.5 ~ +0.5	268.80	
	150	-0.5 ~ +0.5	288.00	

Colours:

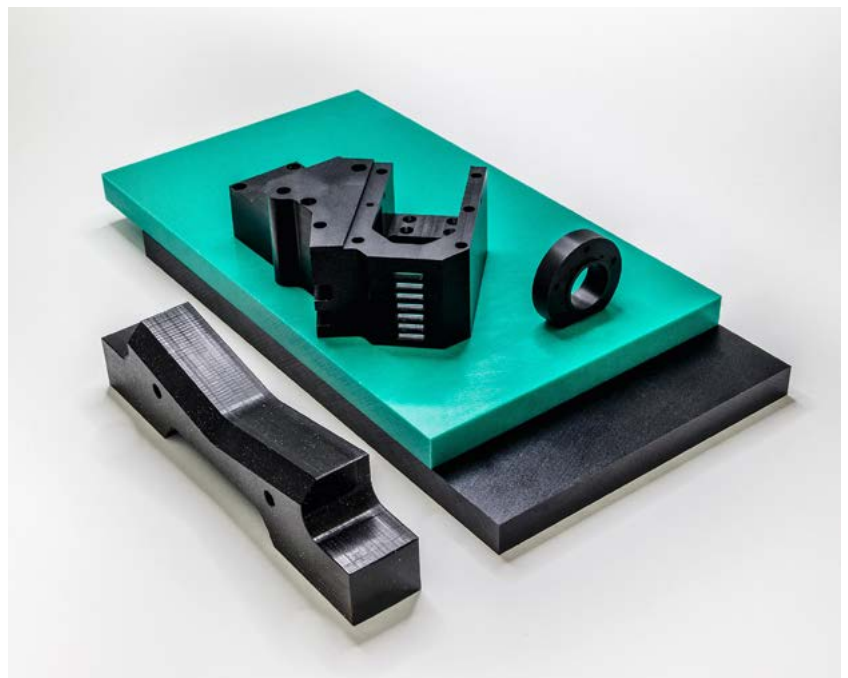
Black, green

Other colours available on request

Special designs:

AST, slide

For further dimensions,
please contact us directly.





PE 500 / PE 500 Regenerate

Product Information

Material PE 500 / PE-HMW

The materials of the polyethylene PE 500 product family are characterised by excellent sliding properties, extreme wear resistance, high impact strength as well as excellent resistance to chemicals. They have become well established in technical applications. A high-molecular polyethylene with a molecular weight of over 500,000.

Other designations:

PE-HMW, RCH500

.....

Material PE 500 Reg.

PE 500 Regenerate is made of finely ground PE 500 and PE 1000.

PE 500 Reg. is characterised by high impact strength and has proven itself for many technical applications. A high-molecular polyethylene with a molecular weight of over 500,000.

Applications of PE 500 / PE 500 Reg.:

- MK-Premium 500 is a high-molecular polyethylene characterised by good mechanical properties such as scratch and cut resistance and very good resistance to acids. The material is used in branches such as the slaughterhouse/food industry, but also in shop-floor and cold store construction.

Characteristics:

- Increased mechanical properties
- Good sliding and wear properties
- High cut and scratch resistance
- Physiologically harmless

Other designations:

PE-HMW-R, RCH500, PE 500 Regenerate, PE-HMW-Regenerate



PE 500 / PE 500 Regenerate

Product Charts

Sheets



SHEETS PE 500	Thick- ness mm	Tolerance mm	Weight kg/item	
			2000 × 1000	3000 × 1250
	1	-0.1 ~ +0.1	1.96	
	2	-0.15 ~ +0.15	3.92	
	3	-0.15 ~ +0.15	5.88	
	4	-0.2 ~ +0.2	7.84	
	5	-0.25 ~ +0.25	9.80	
	6	-0.25 ~ +0.25	11.76	
	8	-0.2 ~ +0.2	15.60	29.40
	10	-0.2 ~ +0.2	19.60	36.80
	12	-0.2 ~ +0.2	23.50	44.10
	15	-0.2 ~ +0.2	29.40	55.10
	20	-0.2 ~ +0.2	39.20	73.50
	25	-0.2 ~ +0.2	49.00	91.90
	30	-0.2 ~ +0.2	58.80	110.30
	35	-0.3 ~ +0.3	68.60	128.60
	40	-0.3 ~ +0.3	78.40	147.00
	50	-0.3 ~ +0.3	98.00	183.80
	60	-0.3 ~ +0.3	117.60	220.50
	70	-0.3 ~ +0.3	137.20	257.30
	80	-0.3 ~ +0.3	156.80	294.00
	90	-0.3 ~ +0.3	176.40	330.80
	100	-0.3 ~ +0.3	196.00	367.50
	110	-0.3 ~ +0.3	215.60	404.30
	120	-0.3 ~ +0.3	235.20	
	130	-0.5 ~ +0.5	254.80	
	140	-0.5 ~ +0.5	274.40	
	150	-0.5 ~ +0.5	294.00	

Colours:

Natural, black, yellow, reddish brown,
red, blue, green, grey

Other colours available on request

Special designs:

PE 500 UV

We can supply finished parts manufactured
according to your drawings, semi-finished
products and blanks.

We can deliver finished parts, plates and
blanks made of PE 500.

SHEETS PE 500 REG	Thick- ness mm	Tolerance mm	Weight kg/item	
			2000 × 1000	3000 × 1250
	8	-0.2 ~ +0.2	15.70	29.40
	10	-0.2 ~ +0.2	19.60	36.80
	12	-0.2 ~ +0.2	23.50	44.10
	15	-0.2 ~ +0.2	29.40	55.10
	20	-0.2 ~ +0.2	39.20	73.50
	25	-0.2 ~ +0.2	49.00	91.90
	30	-0.2 ~ +0.2	58.80	110.30
	35	-0.3 ~ +0.3	68.60	128.60
	40	-0.3 ~ +0.3	78.40	147.00
	50	-0.3 ~ +0.3	98.00	183.80
	60	-0.3 ~ +0.3	117.60	220.50
	70	-0.3 ~ +0.3	137.20	257.30
	80	-0.3 ~ +0.3	156.80	294.00
	90	-0.3 ~ +0.3	176.40	330.80
	100	-0.3 ~ +0.3	196.00	367.50
	110	-0.3 ~ +0.3	215.60	404.30
	120	-0.3 ~ +0.3	235.20	
	130	-0.5 ~ +0.5	254.80	
	140	-0.5 ~ +0.5	274.40	
	150	-0.5 ~ +0.5	294.00	

Colours:

Green, black, black-multi, confetti
Other colours available on request

For further dimensions contact,
please contact us directly.

We can deliver finished parts, plates
and blanks made of PE 500 Reg.

PE 300

Product Information



Material PE 300 / PE-HD

The materials of the polyethylene PE 300 product family are characterised by excellent sliding properties, extreme wear resistance, high impact resistance and very good resistance to chemicals. They have established themselves for technical applications. A high-molecular polyethylene with a molecular weight of over 250,000.

Characteristics:

- Very good welding and processing properties
- High ultimate elongation (very suitable for container construction)

Other designations:

PE-HD, PE300

PE 300

Product Charts

Sheets



SHEETS PE 300	Thick- ness mm	Weight kg/item
2000 x 1000 mm	1	2.08
	1.5	2.85
	2	3.80
	3	5.70
	4	7.60
	5	9.50
	6	11.40
	8	15.20
	10	19.00
	12	22.80
	15	28.50
	20	38.00
	25	47.50
	30	57.00
	40	76.00
	50	96.96

SHEETS PE 300	Thick- ness mm	Weight kg/item
3000 x 1500 mm	1	4.68
	1.5	6.41
	2	8.55
	3	12.83
	4	17.10
	5	21.38
	6	25.65
	8	34.20
	10	42.75
	12	51.30
	15	64.13
	20	85.50
	25	106.88
	30	128.25
	40	171.00

Colours:

Natural, black

Other colours available on request

Round Bars



ROUND BARS PE 300	Ø mm
L = 2000 mm	12
	15
	16
	18
	20
	25
	30
	35
	40
	45
	50
	55
	60
	65
	70
	80
	90
	100
	110
	120
	130
	140
	150
	160
	170
	180
	200
	225
	250
	280
L = 1000 mm	300



Special Designs:

PP EL = electrically conductive

PP AST = antistatic

For other dimensions,
please contact us directly.

PP-H

Product Information



Material PP-H/Polypropylene

This product family is characterised by good hardness, rigidity and strength as well as their excellent resistance to chemicals. The materials have proven ideal for technical applications.

Characteristics:

- High rigidity
- Very good welding and processing properties (container construction)
- High heat resistance
- Isotactic

Sheets



SHEETS PP-H	Thick- ness mm	Weight kg/item
2000 × 1000 mm	1	2.00
	1.5	2.76
	2	3.68
	3	5.52
	4	7.36
	5	9.20
	6	11.04
	8	14.72
	10	18.40
	12	22.08
	15	27.60
	20	36.80
	25	46.00
	30	55.20
	40	73.60
	50	94.00

SHEETS PP-H	Thick- ness mm	Weight kg/item
3000 × 1500 mm	1	4.50
	1.5	6.21
	2	8.28
	3	12.42
	4	16.56
	5	20.70
	6	24.84
	8	33.12
	10	41.40
	12	49.68
	15	62.10
	20	82.80
	25	103.50
	30	124.20
	40	165.60

Colours:

Pebble grey, natural

Round Bars



ROUND BARS PP-H	Ø mm
L = 2000 mm	12
	15
	16
	18
	20
	25
	30
	35
	40
	45
	50
	55
	60
	70
	80
	90
	100
	110
	120
	130
	140
	150
	160
	170
	180
	200
	225
	250
	280
L = 1000 mm	300



Special Designs:

PP EL = electrically conductive

PP AST = antistatic

For other dimensions,
please contact us directly.

PVC-U

Product Information



Our PVC-U quality plastics/polyvinyl chloride hard

This plasticiser-free PVC features excellent chemical resistance and good workability. Thanks to its good electrical insulating properties, high resistance to acids, alkalines and saline solutions and easy processing, PVC has proven itself in the chemical industry. It is well established as a common material in container and plant construction, the electrical industry and the construction industry. Our PVC is free of DOTE, lead, cadmium, CFC, silicone, PCB, bisphenol A, plasticisers and heavy metals.

Areas of application for PVC-U:

- Chemical container and plant construction
- Electrical industry
- Construction sector
- Water treatment plants

Characteristics:

- Very good chemical resistance
- High strength
- Good electrical insulating properties
- Flame retardant
- Good machinability
- Weather resistance

Sheets



SHEETS PVC	Thick- ness mm	Weight kg/item
2000 x 1000 mm	1	3.10
	1.5	4.26
	2	5.68
	3	8.52
	4	11.36
	5	14.20
	6	17.04
	8	22.72
	10	28.40
	12	34.08
	15	42.60
	20	56.80
	25	72.50
	30	87.00
	35	101.50
	40	116.00
	50	147.00

SHEETS PVC	Thick- ness mm	Weight kg/item
3000 x 1500 mm	1	6.98
	1.5	9.59
	2	12.78
	3	19.17
	4	25.56
	5	31.95
	6	38.34
	8	51.12
	10	63.90
	12	76.68
	15	95.85
	20	127.80

Colours:

Dark grey, light grey, white,
black, red, ivory, yellow,
green, blue

For further dimensions,
please contact us directly.

Round bars



ROUND BARS PVC	Ø mm
L = 2000 mm	5
	6
	8
	10
	12
	15
	16
	18
	20
	22
	25
	30
	32
	35
	40
	45
	50
	55
	60
	65
	70
	75
	80
	85
	90
	100
	110
	120
	130
	140
	150
	160
	180
	200
	225
	250
L = 500 mm	300

PC

Product Information



Our PC quality plastics

We supply a wide range of technical polycarbonate products. PC is a transparent amorphous thermoplastic material, which has high impact resistance and high dimensional stability. Based on its excellent electrical properties combined with high resistance to solvents, PC is suitable for a wide range of applications in the electronics and electrical industry. Thanks to our unique tempering process, the PCP sheets and round bars are 100% de-energised and offer excellent machinability and dimensional stability.

Applications of PC:

- Insulation in the electronics and electrical industries
- Various components used in the semiconductor industry
- Production of prototype models in design work

Characteristics:

- Excellent machinability
- High dimensional stability
- High impact resistance
- High chemical resistance
- Good electrical properties

Please note that PC is not suitable for optical applications.
We have developed our product for technical applications in mechanical engineering.

Sheets



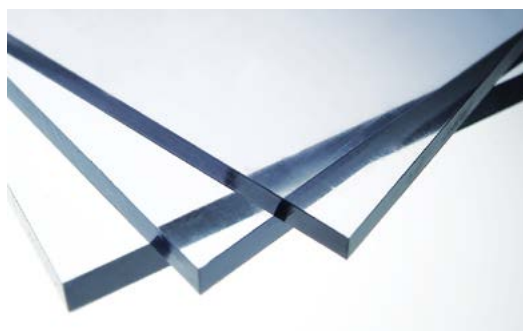
SHEETS PC	Thick- ness mm	Tolerance mm	Weight kg/item
610 x 1000 mm	15	+0.1 ~ +2.0	11.62
	20	+0.1 ~ +2.0	15.49
	25	+0.1 ~ +2.0	19.37
	30	+0.1 ~ +4.0	23.24
	35	+0.1 ~ +4.0	27.11
	40	+0.1 ~ +4.0	30.99
	45	+0.1 ~ +4.0	34.86
	50	+0.1 ~ +4.0	38.74
	60	+0.1 ~ +5.0	46.48
	70	+0.1 ~ +5.0	54.23
	80	+0.1 ~ +5.0	61.98
	100	+0.1 ~ +6.0	77.47

Colours:

Natural, black

Other colours on request

For other dimensions,
please contact us directly.



Round bars



ROUND BARS PC	Ø mm	Tolerance mm	Weight kg/item L = 1000 mm	Weight kg/item L = 3000 mm
	10	+0.1 ~ +1.0	0.10	0.30
	12	+0.1 ~ +1.0	0.14	0.43
	15	+0.1 ~ +1.0	0.22	0.67
	20	+0.1 ~ +1.0	0.40	1.20
	25	+0.1 ~ +1.0	0.62	1.87
	30	+0.1 ~ +1.0	0.90	2.69
	35	+0.1 ~ +1.0	1.22	3.66
	40	+0.2 ~ +2.0	1.60	4.79
	45	+0.2 ~ +2.0	2.02	6.06
	50	+0.2 ~ +2.0	2.49	7.48
	60	+0.2 ~ +2.0	3.59	10.77
	70	+0.2 ~ +2.0	4.89	14.66
	80	+0.2 ~ +2.0	6.38	19.14
	90	+0.3 ~ +2.5	8.08	24.23
	100	+0.3 ~ +2.5	9.97	29.91
	110	+0.3 ~ +2.5	12.06	36.19
	120	+0.3 ~ +2.5	14.36	43.07
	130	+0.5 ~ +4.5	16.85	50.55
	150	+0.5 ~ +4.5	22.43	67.29
	180	+1.0 ~ +6.0	32.30	96.90
	200	+1.0 ~ +6.0	39.88	119.63



PC is available in sheets, round bars, blanks and finished parts manufactured according to your drawings.
In addition, we supply a range of variants tailored to the special technical requirements of our customers.

ABS

Product Information



Our ABS quality plastics

This material offers ideal properties required for the production of prototype designs. Its residual stress is completely eliminated by the unique tempering process, which also results in excellent machinability and dimensional stability. ABS sheets are easy to process.

Applications of ABS:

- Applications for model production of prototypes

Characteristics:

- Excellent machinability
- Excellent dimensional stability
- Various sizes and dimensions

Sheets



SHEETS ABS	Thick- ness mm	Tolerance mm	Weight	Weight	Weight
			kg/item 600 × 1200	kg/item 1000 × 1200	kg/item 1200 × 2400
	10	+0.1 ~ +2.0	7.92	13.20	31.68
	12	+0.1 ~ +2.0	9.50	15.84	38.02
	15	+0.5 ~ +2.5	11.88	19.80	47.52
	18	+0.5 ~ +2.5	14.26	23.76	57.02
	20	+1.0 ~ +3.0	15.84	26.40	63.36
	22	+1.0 ~ +3.0	17.42	29.04	69.70
	25	+1.0 ~ +3.0	19.80	33.00	79.20
	28	+1.0 ~ +3.0	22.18	36.96	88.70
	30	+1.5 ~ +3.5	23.76	39.60	95.04
	32	+1.5 ~ +3.5	25.34	42.24	101.38
	35	+1.5 ~ +3.5	27.72	46.20	110.88
	38	+1.5 ~ +3.5	30.10	50.16	120.38
	40	+1.5 ~ +3.5	31.68	52.80	126.72
	42	+1.5 ~ +3.5	33.26	55.44	133.06
	45	+1.5 ~ +3.5	35.64	59.40	142.56
	48	+1.5 ~ +3.5	38.02	63.36	152.06
	50	+1.5 ~ +3.5	39.60	66.00	158.40
	55	+1.5 ~ +3.5	43.56	72.60	174.24
	60	+1.5 ~ +4.0	47.52	79.20	190.08
	65	+1.5 ~ +4.0	51.48	85.80	205.92
	70	+1.5 ~ +4.5	55.44	92.40	221.76
	80	+1.5 ~ +4.5	63.36	105.60	253.44
	90	+1.5 ~ +6.0	71.28	118.80	285.12
	100	+1.5 ~ +6.0	79.20	132.00	316.80
	120	+2.0 ~ +7.0	95.04		
	150	+2.0 ~ +7.0	118.80		
	200	+2.0 ~ +7.0	158.40		

Colours:

Natural, black

Other colours available on request

For other dimensions,
please contact us directly.



ABS and ABS-NAT/BLK are available in sheets, rods, blanks and finished parts manufactured according to your drawings. In addition, we can supply a range of variants tailored to the special technical requirements of our customers.

PEI

Product Information



Our PEI quality plastics

This semi-transparent amorphous thermoplastic offers excellent steam and water vapour properties, heat resistance and extraordinary dielectric properties. Its constant operating temperature is about 170 °C. PEI is ideal for applications that require reliable resilience and stability at high temperatures.

Applications of PEI:

- Components exposed to microwaves
- Electric insulating components
- Components of glass production equipment
- Components of steam jet cleaning devices
- Heat insulating hoses

Characteristics:

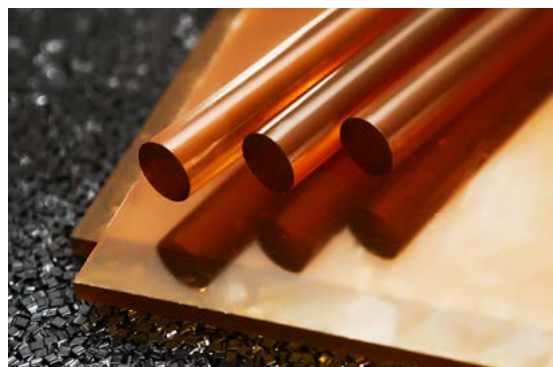
- High heat resistance
- High steam resistance
- Excellent dielectric strength
- Non-flammable

Please note that due to the characteristics of non-crystalline plastics, PEI has relatively low chemical resistance, creep resistance and wear resistance. Grooved areas such as corners or edges should be rounded to avoid cracking and chipping.

Sheets



SHEETS PEI	Thick- ness mm	Tolerance mm	Weight kg/item
610 x 1000 mm	6	+0.2 ~ +1.2	4.76
	8	+0.2 ~ +1.2	6.34
	10	+0.2 ~ +1.5	7.93
	12	+0.2 ~ +1.5	9.52
	16	+0.2 ~ +1.5	12.69
	20	+0.2 ~ +1.5	15.86
	25	+0.2 ~ +1.5	19.82
	30	+0.2 ~ +1.5	23.79
	40	+0.2 ~ +2.0	31.72
	50	+0.2 ~ +2.0	39.65



For further dimensions contact, please contact us directly.

Round Bars



ROUND BARS PEI	Ø mm	Tolerance mm	Weight kg/item	
			L = 1000 mm	L = 3000 mm
	6	+0.1 ~ +0.9	0.04	0.11
	8	+0.1 ~ +0.9	0.07	0.20
	10	+0.2 ~ +1.0	0.10	0.31
	12	+0.2 ~ +1.0	0.15	0.44
	16	+0.2 ~ +1.0	0.26	0.78
	20	+0.2 ~ +1.0	0.41	1.23
	25	+0.2 ~ +1.0	0.64	1.91
	30	+0.2 ~ +1.0	0.92	2.76
	40	+0.5 ~ +2.0	1.63	4.90
	50	+0.5 ~ +2.0	2.55	7.65
	60	+0.5 ~ +2.0	3.67	11.02



Colours:

Natural, black

Other colours available on request

PEI is available in sheets, rods, blanks and finished parts manufactured according to your drawings. In addition, we supply a range of variants tailored to the special technical requirements of our customers.

Plavis™ POLYIMIDE

Product Information



Plavis™ POLYIMIDE – Super Engineering Plastic

We use this ultra-high-performance plastic based on polyimide to manufacture semi-finished and finished parts. PLAVIS™ is characterised by a complex property profile with many outstanding individual qualities – which places it and is thus at the top of our range of plastic materials. It fulfils the most demanding tasks in all areas of industrial electronics, aerospace engineering, transport and the machinery and heavy machinery industries, semiconductor, solar system and flat-screen manufacturing. PLAVIS™ is comparable with Vespel® and can be used wherever something must be sealed safely, to minimise wear and friction, to resist high temperatures and harsh operating conditions as well as to save weight.

Areas of application for Plavis™ POLYIMIDE:

- Industrial electronics
- Aerospace engineering
- Transport
- Machinery and heavy machinery industries
- Semiconductor, solar system and flat-screen manufacturing

Characteristics:

- Heat resistant
- Robust
- Resistant to wear
- Stable friction level
- Perfect insulation
- Good processability

Plavis™ POLYIMIDE – variants

PLAVIS-N

Properties:

- Good physical properties
- Maximum electrical and thermal insulation
- Resistance to wear
- Mechanical strength

Modification: unfilled

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PLAVIS-S

Properties:

- Good physical properties at high temperatures up to 350 °C

Modification: unfilled

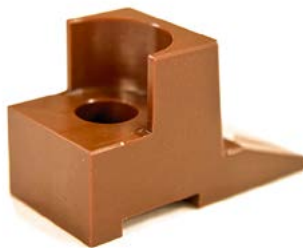
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PLAVIS-G15

Properties:

- Self-lubricating
- Good sliding and friction properties
- Ideal wear resistance
- Very good mechanical strength

Modification: 15% graphite



Plavis™ POLYIMIDE – Super Engineering Plastic

Plavis™ POLYIMIDE

Product Information

PLAVIS-G40

Properties:

- Self-lubricating
- Good sliding and friction properties
- Perfect wear resistance
- Good mechanical strength

Modification: 40% graphite

.....

PLAVIS-MS

Properties:

- Self-lubricating
- Good sliding and friction properties
- Good wear resistance
- Good mechanical strength
- Ideal for thermal deformation

Modification: 15% MoS₂

.....

PLAVIS-C

Properties:

- Good conductive properties
- Good sliding and friction properties
- Ideal wear resistance
- Very good mechanical strength
- Resistance 10²–10³

Modification: unfilled

.....

PLAVIS-ESD

Properties:

- Electrostatically absorbing
- Self-lubricating
- Good sliding and friction properties
- Ideal wear resistance
- Very good mechanical strength
- Resistance 10²–10³

Modification: unfilled

Plavis™ POLYIMIDE

Product Information

Round Bars

ROUND BARS PLAVIS POLYIMIDE	Ø " (mm)	Length " (mm)
	1/4" (6.35)	19.6" (500)
	3/8" (9.53)	19.6" (500)
	7/16" (11.11)	19.6" (500)
	1/2" (12.70)	19.6" (500)
	5/8" (15.88)	19.6" (500)
	3/4" (19.05)	19.6" (500)
	1" (25.40)	19.6" (500)
	1-1/4" (31.75)	19.6" (500)
	1-1/2" (38.10)	19.6" (500)
	2" (50.80)	19.6" (500)

Sheets

SHEETS PLAVIS POLYIMIDE	Ø " (mm)	Thickness mm
	12"-12" (304.8-304.8)	12.7~62



COMCOEPP

Engineering Plastic Products

We produce plastic stock shapes
and engineer tailor made solutions.



Version 2.0 / 2021

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