Stock Availability Guide

Oadby plastics
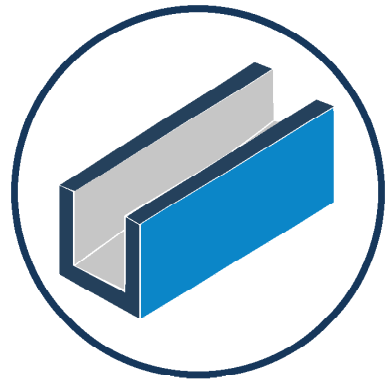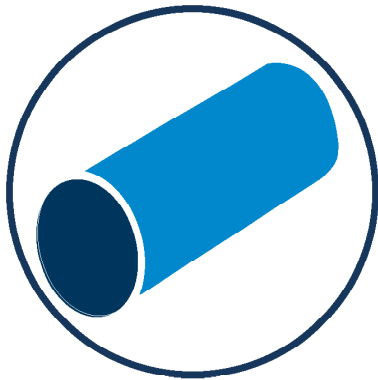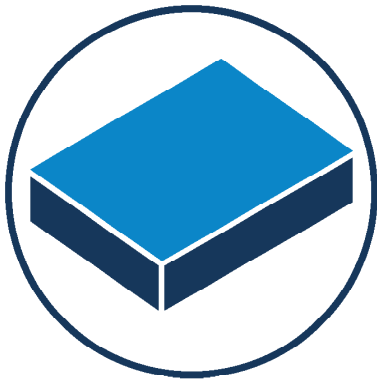
people and products **you can rely on**

WELCOME TO

History

Throughout the years we have developed our people, products and facilities to become the UK's leading independent plastics supplier.

Over the past six decades we have looked to progressively improve our products and services. Our business continues to invest in an expanding branch network, currently we operate with over 250,000 sq. ft. dedicated to products and services.

Valued Partner

Our highly professional team meet deadlines, solve problems and satisfy customers every hour of every day. Our Investors in People award, ISO 9001 and ISO 14001 certifications are a testament to the standards that operate throughout the company. Our customers can trust us to supply high quality products, services and support they can rely on.

Throughout our branch network our friendly, knowledgeable staff are committed to quality, offering the very best in customer service and after sales support.

Principles

Having a proven heritage in the supply of quality semi-finished materials, bespoke machined parts, cladding solutions and conveyor components. We are passionate about our business, customers, employees and the brands our supply partners have built.

We recognise the responsibility we have to our customers, employees, suppliers and the markets we serve. Our business is not simply about our products, it's about our people too. We understand our products, the marketplace and most of all, we understand you the customer.

OUR SUPPLY PARTNERS

PRIMEX
PLASTICS LIMITED

SIMONA

Movex

NENPLAS
PLASTIC EXTRUSIONS
A SURTECO COMPANY

PROFILAN
KUNSTSTOFFWERK

Ongropack

MITSUBISHI CHEMICAL
ADVANCED MATERIALS

3A
COMPOSITES

Centroplast
Engineering Plastics GmbH

CONTENTS

PVC

Established since 1969
You can trust in our experience and overall product knowledge

European suppliers
We source our materials from world leading suppliers

Extensive range
We have a comprehensive range of products available

Product development
We are continuously developing our range

Stock holding
Over 2500 tonnes from our extensive warehousing facilities

Product support
Our knowledgeable sales team offer quality product support

Distribution
We aim to deliver via our own fleet and always with care

uPVC

Product full identity:
Unplasticised Polyvinyl Chloride

uPVC has an exceptional chemical resistance, high mechanical and tensile strength whilst offering a class 1 fire rating. Together with a high degree of stability, this easily weldable product offers many industrial solutions.

Properties

- Fire rating - self extinguishing
- Excellent chemical resistance
- Good temperature range (+60 to -0°C)
- High mechanical and tensile strength
- High rigidity
- Easily glued and weldable.

Applications

- Corrosive fluid
- Internal wall cladding
- Handling tanks
- Pump and valve bodies
- Ventilation systems.

Forms

Sheet	Hollow rod
Rod	Tube
Angle	Channel
Hexagonal	Square tube

uPVC sheet

uPVC sheet | extruded

Grey (RAL 7011)

Thickness (mm)	Tolerance (mm)	2000 x 1000mm kg/ea	Grey	2440 x 1220mm kg/ea	Grey	3000 x 1500mm kg/ea	Grey
1.5	(-0.15 / +0.15)	4.40	✓	6.50	✓	9.80	✓
2	(-0.17 / +0.17)	5.80	✓	8.60	✓	13.00	○
3	(-0.20 / +0.20)	8.70	✓	12.90	✓	19.60	✓
4	(-0.22 / +0.22)	11.60	✓	17.30	○	26.10	○
4.5	(-0.25 / +0.25)	13.05	○	19.44	✓	29.36	✓
5	(-0.26 / +0.26)	14.50	✓	21.61	○	32.60	○
6	(-0.28 / +0.28)	17.40	✓	25.90	✓	39.20	✓
8	(-0.35 / +0.35)	23.20	✓	34.56	○	52.20	○
9	(-0.38 / +0.38)	26.10	○	38.80	✓	58.70	✓
10	(-0.41 / +0.41)	29.00	✓	43.20	○	65.20	○
12	(-0.48 / +0.48)	34.80	✓	51.80	✓	78.30	✓
15	(-0.56 / +0.56)	43.50	✓	64.70	✓	97.90	✓
18	(-0.65 / +0.65)	52.20	○	77.78	✓	117.45	○
20	(-0.70 / +0.70)	58.00	✓	86.30	○	130.50	✓
25	(-0.85 / +0.85)	72.50	✓	107.90	○	163.10	✓
30	(-1.00 / +1.00)	87.00	✓	129.50	○	195.80	●
35	(-1.15 / +1.15)	101.50	✓	-	-	-	-
40	(-1.30 / +1.30)	116.00	✓	-	-	-	-
50	(-1.60 / +1.60)	145.00	✓	-	-	-	-

Sheet Tolerances		2000 x 1000mm	2440 x 1220mm	3000 x 1500mm
	Length (mm)	(-1.00 / +6.00)	(-1.00 / +7.00)	(-1.00 / +7.00)
	Width (mm)	(-1.00 / +4.00)	(-1.00 / +5.00)	(-1.00 / +5.00)

All tolerances measured @ 20°C.

Weld rod to suit PVC, see page 140.

Colours: RAL numbers detailed are for guide purposes only.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.

○ Items available on application, minimum quantity may apply.
- Items are not available.

uPVC sheet

uPVC sheet | extruded

White (RAL 9003)

Thickness (mm)	Tolerance (mm)	2440 x 1220mm kg/ea	White	3000 x 1500mm kg/ea	White	3048 x 1220mm kg/ea	White
1.5	(-0.15 / +0.15)	6.47	✓	9.80	O	8.09	✓
2	(-0.17 / +0.17)	8.63	✓	13.00	O	10.78	✓
2.5	(-0.20 / +0.20)	10.79	✓	16.25	O	13.48	✓
3	(-0.22 / +0.22)	12.95	✓	19.58	✓	16.18	✓
4.5	(-0.25 / +0.25)	19.42	✓	29.36	✓	-	-
6	(-0.26 / +0.26)	25.90	✓	39.15	✓	-	-
9	(-0.28 / +0.28)	38.85	✓	58.73	✓	-	-
12	(-0.35 / +0.35)	51.80	✓	78.30	✓	-	-
15	(-0.38 / +0.38)	64.75	O	97.90	-	-	-
18	(-0.41 / +0.41)	77.69	✓	117.45	-	-	-

Sheet Tolerances		2440 x 1220mm	3000 x 1500mm	3048 x 1220mm
	Length (mm)	(-1.00 / +7.00)	(-1.00 / +7.00)	(-1.00 / +7.00)
	Width (mm)	(-1.00 / +5.00)	(-1.00 / +5.00)	(-1.00 / +5.00)

All tolerances measured @ 20°C.

Weld rod to suit PVC, see page 140.

Colours: RAL numbers detailed are for guide purposes only.

✓ Items are normally stocked.　　　　　- Items are not available.
O Items available on application, minimum quantity may apply.

uPVC sheet

uPVC sheet | extruded

Black (RAL 9005) | Red (RAL 9900) | Light grey (RAL 9310)

Thickness (mm)	Tolerance (mm)	kg/ea	2000 x 1000mm Black	Red	Light grey
1	(-0.13 / +0.13)	2.90	●	○	●
1.5	(-0.14 / +0.14)	4.40	●	○	○
2	(-0.16 / +0.16)	5.80	●	●	●
3	(-0.19/ +0.19)	8.70	✓	✓	●
4	(-0.22 / +0.22)	11.60	●	●	●
5	(-0.25 / +0.25)	14.50	●	●	●
6	(-0.28 / +0.28)	17.40	✓	✓	●
8	(-0.34 / +0.34)	23.20	✓	●	●
10	(-0.40 / +0.40)	29.00	✓	●	●
12	(-0.46 / +0.46)	34.80	✓	○	●
15	(-0.55 / +0.55)	43.50	✓	○	●
20	(-0.70 / +0.70)	58.00	✓	○	●
25	(-0.85 / +0.85)	72.50	✓	○	○
30	(-1.00 / +1.00)	87.00	●	○	●
40	(-1.30 / +1.30)	116.00	●	○	○

Thickness (mm)	Tolerance (mm)	kg/ea	3000 x 1500mm Black	Red	Light grey
2	(-0.16 / +0.16)	13.00	●	○	○
3	(-0.19/ +0.19)	19.60	●	○	●
4	(-0.22 / +0.22)	26.10	●	○	●
5	(-0.25 / +0.25)	32.60	●	○	●
6	(-0.28 / +0.28)	39.20	●	○	●
8	(-0.34 / +0.34)	52.20	○	○	●
10	(-0.40 / +0.40)	65.20	○	○	●

Black: Protective film one side, all other colours are provided without protective film as standard.
Colour: Ivory, available on application.

Sheet Tolerances		2000 x 1000mm	3000 x 1500mm
	Length (mm)	(-1.00 / +6.00)	(-1.00 / +7.00)
	Width (mm)	(-1.00 / +4.00)	(-1.00 / +5.00)

All tolerances measured @ 20°C.

Colours: RAL numbers detailed are for guide purposes only.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.

○ Items available on application, minimum quantity may apply.

Weld rod to suit PVC, see page 140.

uPVC sheet

uPVC Glas® sheet | extruded

Blue tint

Thickness (mm)	Tolerance (mm)	2000 x 1000mm kg/ea	Blue tint	3000 x 1500mm kg/ea	Blue tint
1	(-0.13 / +0.13)	2.70	●	6.20	○
1.5	(-0.14 / +0.14)	4.10	●	9.30	○
2	(-0.16 / +0.16)	5.50	●	12.40	○
3	(-0.19 / +0.19)	8.20	✓	18.50	✓
4	(-0.22 / +0.22)	11.00	●	24.70	●
5	(-0.25 / +0.25)	13.70	✓	30.90	✓
6	(-0.28 / +0.28)	16.50	✓	37.10	✓
8	(-0.34 / +0.34)	22.00	✓	49.50	✓
10	(-0.40 / +0.40)	27.50	✓	61.80	✓
12	(-0.46 / +0.46)	33.00	✓	74.20	○
15	(-0.55 / +0.55)	41.20	●	-	-

PE-Film protection: both sides.

Sheet Tolerances		2000 x 1000mm	3000 x 1500mm
	Length (mm)	(-1.00 / +6.00)	(-1.00 / +7.00)
	Width (mm)	(-1.00 / +4.00)	(-1.00 / +5.00)

All tolerances measured @ 20°C.

Weld rod to suit PVC Glas®, see page 140.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.
○ Items available on application, minimum quantity may apply.
- Items are not available.

uPVC sheet

uPVC sheet | pressed

Grey (RAL 7011)

Thickness (mm)	Tolerance (mm)	2000 x 1000mm kg/ea	Grey
60	(0.00 / +6.00)	175.60	●
80	(0.00 / +8.00)	234.70	●
100	(-0.00 / +10.00)	291.50	●

uPVC sheet | perforated

Grey (RAL 7011)

Thickness (mm)	Tolerance (mm)	2440 x 1220mm kg/ea	Grey
3	(-0.20 / +0.20)	9.03	✓

Hole Pitch: 3.5mm x 6.35mm

Sheet Tolerances		2000 x 1000mm	2440 x 1220mm
	Length (mm)	(-1.00 / +6.00)	(-1.00 / +7.00)
	Width (mm)	(-1.00 / +4.00)	(-1.00 / +5.00)

All tolerances measured @ 20°C.

Colours: RAL numbers detailed are for guide purposes only.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.

uPVC rod

uPVC rod | extruded

Grey (RAL 7011) | Black (RAL 9005) | Red (RAL 9900)

Diameter (mm)	Tolerance (mm)	kg/mtr	Grey	Black	Red
6	(+0.10 / +0.40)	0.04	✓	✓	O
8	(+0.10 / +0.50)	0.07	✓	✓	O
10	(+0.10 / +0.60)	0.12	✓	✓	✓
12	(+0.20 / +0.70)	0.17	✓	✓	✓
15	(+0.20 / +0.80)	0.26	✓	✓	✓
18	(+0.20 / +0.90)	0.37	✓	O	O
20	(+0.20 / +1.20)	0.46	✓	✓	✓
22	(+0.20 / +1.20)	0.58	O	O	O
25	(+0.20 / +1.20)	0.71	✓	✓	O
30	(+0.20 / +1.20)	1.02	✓	✓	✓
32	(+0.20 / +1.30)	1.22	O	O	O
35	(+0.20 / +1.30)	1.38	✓	✓	✓
40	(+0.20 / +1.50)	1.80	✓	✓	✓
45	(+0.30 / +2.00)	2.28	✓	✓	O
50	(+0.30 / +2.00)	2.83	✓	✓	✓
55	(+0.30 / +2.00)	3.41	✓	✓	O
60	(+0.30 / +2.30)	4.06	✓	✓	✓
65	(+0.30 / +2.50)	4.76	✓	✓	O
70	(+0.30 / +2.50)	5.50	✓	✓	✓
75	(+0.40 / +3.00)	6.31	✓	✓	O
80	(+0.40 / +3.00)	7.17	✓	✓	✓
85	(+0.50 / +3.00)	8.11	✓	O	O
90	(+0.50 / +3.00)	9.07	✓	✓	✓
100	(+0.60 / +3.50)	11.19	✓	✓	O
110	(+0.70 / +4.00)	13.51	✓	✓	O
120	(+0.80 / +5.00)	16.12	✓	✓	✓
130	(+0.90 / +6.00)	18.95	✓	✓	✓
140	(+0.90 / +6.00)	21.92	✓	✓	✓
150	(+1.00 / +7.00)	25.15	✓	O	O
160	(+1.10 / +8.00)	28.62	✓	O	O
180	(+1.20 / +9.00)	36.80	✓	O	O
200	(+1.30 / +10.00)	45.23	✓	O	O
225	(+1.50 / +11.00)	57.01	✓	O	O
250	(+1.50 / +11.00)	70.09	✓	O	O
300	(+1.50 / +12.00)	100.90	✓	O	O

Standard lengths: 6 - 200mm = 2000mm
225 - 300mm = 1000mm.

Length Tolerance (mm)	
	(-0.00% / +3.00%)

All tolerances measured @ 20°C.

Colours: RAL numbers detailed are for guide purposes only.

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply.

uPVC hollow rod

uPVC hollow rod | extruded

Grey (RAL 7011)

Size (mm)	kg/mtr	Grey	Size (mm)	kg/mtr	Grey
30 x 10	1.00	●	100 x 60	8.01	●
35 x 15	1.25	●	100 x 70	6.39	●
40 x 15	1.72	●	110 x 50	12.02	●
40 x 20	1.50	●	110 x 75	8.11	●
45 x 20	2.03	●	120 x 40	16.03	●
50 x 20	2.63	●	120 x 50	14.90	●
50 x 25	2.35	●	120 x 60	13.52	●
50 x 30	2.00	●	120 x 75	10.99	●
60 x 20	4.01	●	130 x 50	18.03	●
60 x 30	3.38	●	130 x 90	11.02	●
65 x 30	4.16	●	140 x 60	20.03	●
70 x 30	5.01	●	150 x 70	22.04	●
75 x 50	3.90	●	150 x 80	20.16	●
80 x 40	6.01	●	160 x 100	19.53	●
80 x 50	4.88	●	180 x 120	23.56	●
90 x 25	9.36	●	180 x 140	16.76	●
90 x 30	9.01	●	200 x 100	39.27	●
90 x 35	8.61	●	200 x 150	22.91	●
90 x 50	7.01	●	225 x 140	40.61	●
90 x 60	5.63	●	225 x 150	36.82	●
100 x 30	11.39	●	250 x 150	52.36	●
100 x 50	9.39	●	250 x 160	44.50	●

Standard lengths: 30 - 200mm   =   2000mm
                        225 - 250mm   =   1000mm.

Colour: Ivory available on application
Other Sizes: Available on application
Tolerances: Outside diameter + 5% / Inside diameter - 10%.

Key:
Size = Outside diameter x Inside diameter.

Colours: RAL numbers detailed are for guide purposes only.

● Items available on application, normally within 7-10 days.

uPVC profiles
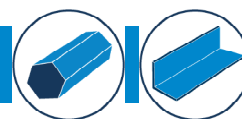
uPVC hexagonal bar

Grey (RAL 7011)

Size (mm)	kg/mtr	Grey
10	0.13	✓
12	0.18	✓
14	0.25	✓
17	0.36	●
19	0.45	✓

Size (mm)	kg/mtr	Grey
22	0.61	●
25	0.68	✓
28	0.98	✓
32	1.28	●
36	1.62	✓

Standard lengths: 2000mm.
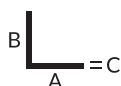
uPVC angle | extruded

Grey (RAL 7011)

Size (mm) A x B x C	kg/mtr	Grey
20 x 20 x 4	0.21	●
25 x 25 x 3	0.22	✓
30 x 30 x 5	0.40	✓
40 x 40 x 5	0.55	●

Size (mm) A x B x C	kg/mtr	Grey
50 x 50 x 6	0.83	✓
60 x 60 x 7	1.14	●
70 x 70 x 7	1.30	●

Standard lengths: 5000mm.

Colour: Ivory available on application.

Colours: RAL numbers detailed are for guide purposes only.

✓   Items are normally stocked.

●   Items available on application, normally within 7-10 days.

uPVC profiles
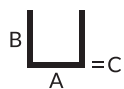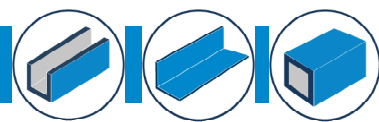
uPVC channel | extruded

Grey (RAL 7011)

Size (mm) A x B x C	kg/mtr	Grey
13 x 15 x 1.5	0.10	●
24 x 20 x 1.7	0.16	●
29 x 42 x 2	0.33	●
35 x 35 x 4	0.61	●
46 x 66 x 3	0.78	●

Size (mm) A x B x C	kg/mtr	Grey
47.5 x 20 x 3.5	0.45	●
64 x 37 x 2	0.40	●
70 x 35 x 5	1.02	●
90 x 20 x 2.5	0.48	●
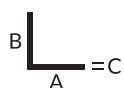
uPVC angle | extruded

Grey (RAL 7011)

Size (mm) A x B x C	kg/mtr	Grey
15 x 15 x 2	0.10	●
20 x 20 x 2	0.12	●
25 x 25 x 2	0.15	●
25 x 25 x 3	0.22	●
30 x 15 x 3	0.20	●
30 x 30 x 3	0.27	●
30 x 30 x 4	0.35	●
40 x 20 x 2	0.18	●
40 x 20 x 4	0.36	●
40 x 40 x 4	0.47	●

Size (mm) A x B x C	kg/mtr	Grey
40 x 40 x 6	0.70	●
45 x 45 x 10	1.31	●
50 x 30 x 4	0.47	●
50 x 50 x 2	0.30	●
50 x 50 x 5	0.73	●
60 x 60 x 7	1.22	●
65 x 40 x 4	0.61	●
70 x 40 x 5	0.80	●
75 x 22 x 3	0.43	●
90 x 90 x 7	1.83	●
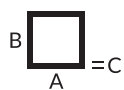
uPVC square tubes | extruded

Grey (RAL 7011)

Size (mm) A x B x C	kg/mtr	Grey
20 x 20 x 1.5	0.18	●
22 x 22 x 3	0.39	●
26 x 26 x 2	0.31	●
30 x 30 x 2	0.35	●
35 x 35 x 2	0.41	●
40 x 40 x 2	0.47	●
50 x 50 x 2	0.58	●

Size (mm) A x B x C	kg/mtr	Grey
60 x 60 x 2	0.70	●
80 x 80 x 2	0.93	●
90 x 90 x 2	1.05	●
100 x 100 x 2.5	1.45	●
120 x 120 x 2.5	1.74	●

Standard lengths for all above: 3000mm.

White and Black are available in selected sizes.

Colours: RAL numbers detailed are for guide purposes only.

● Items available on application, normally within 10-14 days.

uPVC tube

## uPVC tube | extruded

Transparent

Size (mm)	Wall (mm)	Pack quantities	SDR 9 Transparent	Wall (mm)	Pack quantities	SDR 13.5 Transparent
6	1.00	10	●	-	-	-
8	1.00	10	●	-	-	-
10	1.20	10	●	-	-	-
12	1.40	10	●	1.00	10	●
16	-	-	-	1.20	10	●
20	-	-	-	1.50	5	●
25	-	-	-	1.90	5	●
32	-	-	-	2.40	4	●
40	-	-	-	3.00	4	●
50	-	-	-	3.70	4	●

Standard lengths: 5000mm.

Quantity: Sold in pack quantities only.

Key:
Size = Outside diameter.

● Items available on application, normally within 10-14 days.
- Items are not available.

uPVC tube

uPVC tube | extruded
Transparent

Size (mm)	Wall (mm)	Pack quantities	SDR 21 Transparent	Wall (mm)	Pack quantities	SDR 34.3 Transparent	Wall (mm)	Pack quantities	SDR 51 Transparent
25	1.50	5	●	-	-	-	-	-	-
32	1.80	4	●	-	-	-	-	-	-
40	2.00	4	●	-	-	-	-	-	-
50	2.40	4	●	1.80	4	●	-	-	-
63	3.00	3	●	-	-	-	1.80	3	●
75	3.60	3	●	-	-	-	1.80	3	●
90	4.30	2	●	-	-	-	1.80	2	●
110	5.30	2	●	-	-	-	2.20	2	●
125	-	-	-	-	-	-	2.50	1	●
140	-	-	-	-	-	-	2.80	1	●
160	-	-	-	4.70	1	●	3.20	1	●

Standard lengths: 5000mm.

Quantity: Sold in pack quantities only.

Key:
Size = Outside diameter.

● Items available on application, normally within 10-14 days.
- Items are not available.
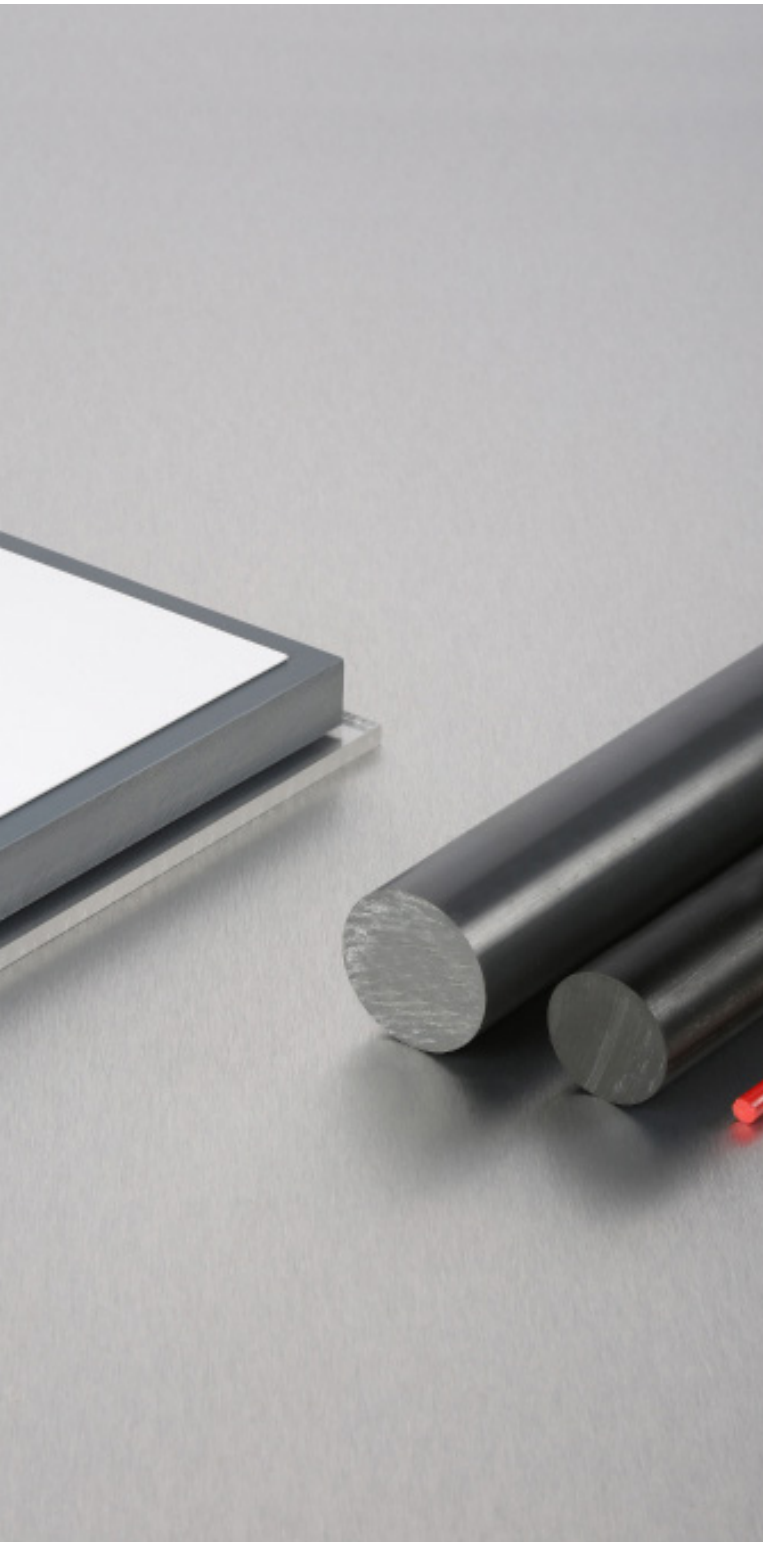
CPVC

Product full identity:
Chlorinated polyvinyl chloride

CPVC is rated self-extinguishing and has high rigidity, strength and hardness at increased temperatures. Also CPVC can be chemically bonded and thermo-welded. Compared to uPVC, this material boasts increased dimensional stability up to 95°C, with excellent chemical resistance and high impact strength.

Properties

- Temperature resistance to 85°C
- Fire rating - self extinguishing
- Excellent chemical resistance
- High mechanical and tensile strength
- Easily glued and weldable.

Applications

- Chemical
- Pharmaceutical

Forms

Sheet   Rod

CPVC sheet

CPVC sheet | extruded

Light grey (PE-Protection one side)

Thickness (mm)	Tolerance (mm)	2000 x 1000mm	
		kg/ea	Light grey/ea
3	(-0.20 / +0.20)	13.80	●
4	(-0.22 / +0.22)	18.30	●
5	(-0.26 / +0.26)	22.90	●
6	(-0.28 / +0.28)	27.50	●
10	(-0.41 / +0.41)	45.80	●
12	(-0.48 / +0.48)	55.00	●

Pressed sheets 15-60mm: Available on application.

All items on this page, delivery normally on a 7/10 day lead time.

Weld rod to suit PVC, see page 140.

✓ Items are normally stocked.

CPVC rod

CPVC rod | extruded

Light grey

Diameter (mm)	Tolerance (mm)	kg/mtr	Light grey/mtr
15	(+0.20 / +0.80)	0.30	O
20	(+0.20 / +1.20)	0.54	O
25	(+0.20 / +1.20)	0.83	O
30	(+0.20 / +1.20)	1.19	O
40	(+0.30 / +1.50)	2.10	O
50	(+0.30 / +2.00)	3.29	O
60	(+0.30 / +2.30)	4.72	O
70	(+0.30 / +2.50)	6.40	O
80	(+0.40 / +3.00)	8.32	O
90	(+0.50 / +3.00)	10.53	O
100	(+0.60 / +3.50)	12.98	O
110	(+0.70 / +4.00)	15.68	O
125	(+0.80 / +5.00)	20.28	O
150	(+1.00 / +7.00)	29.21	O
180	(+1.20 / +9.00)	39.40	O
200	(+1.30 / +10.00)	54.00	O

All items on this page, delivery normally on a 7/10 day lead time.

✓ Items are normally stocked.

PP

Established since 1969
You can trust in our experience and overall product knowledge

European suppliers
We source our materials from world leading suppliers

Extensive range
We have a comprehensive range of products available

Product development
We are continuously developing our range

Stock holding
Over 2500 tonnes from our extensive warehousing facilities

Product support
Our knowledgeable sales team offer quality product support

Distribution
We aim to deliver via our own fleet and always with care

PPC

Product full identity:
Polypropylene Copolymer

PPC is a low density material that offers high impact and chemical resistance. PPC also boasts a good operating temperature range and is easily welded, due to this materials versatility it is ideal for a wide range of applications.

Properties

- Excellent impact strength
- Wide temperature range (+80 to -20°C)
- Excellent chemical resistance
- Lightweight and weldable
- Very low moisture absorption <0.1%
- Food contact approved.

Applications

- Chemical tanks
- Protective cladding
- Advertising
- Signage
- Packaging.

Forms

Sheet   Square tube

PPC sheet

PPC sheet | extruded

Natural | Black

Thickness (mm)	Tolerance (mm)	2440 x 1220mm			3000 x 1500mm		
		kg/ea	Natural	Black	kg/ea	Natural	Black
1	(-0.11 / +0.11)	2.71	✓	✓	4.10	O	O
1.5	(-0.12 / +0.12)	4.07	✓	✓	6.15	O	O
2	(-0.14 / +0.14)	5.43	✓	✓	8.19	O	O
3	(-0.17 / +0.17)	8.20	✓	✓	12.30	✓	✓
4.5	(-0.20 / +0.20)	12.21	✓	✓	18.44	✓	✓
6	(-0.26 / +0.26)	16.30	✓	✓	24.70	✓	✓
9	(-0.32 / +0.32)	24.42	✓	✓	36.86	✓	✓
12	(-0.44 / +0.44)	32.60	✓	✓	49.30	✓	✓
15	(-0.53 / +0.53)	40.80	O	O	61.60	✓	✓
20	(-0.68 / +0.68)	54.24	O	O	81.90	✓	O

PE-Film protection: one side.

PPC sheet | extruded

Beige | White | Grey

Thickness (mm)	Tolerance (mm)	2440 x 1220mm				3000 x 1500mm			
		kg/ea	Beige	White	Grey	kg/ea	Beige	White	Grey
1.5	(-0.12 / +0.12)	4.07	O	✓	O	6.15	O	O	O
2	(-0.14 / +0.14)	5.43	O	✓	O	8.19	O	O	O
3	(-0.17 / +0.17)	8.20	✓	✓	✓	12.30	✓	✓	O
4.5	(-0.20 / +0.20)	12.21	✓	✓	✓	18.44	✓	✓	O
6	(-0.26 / +0.26)	16.30	✓	✓	✓	24.70	✓	✓	O
9	(-0.32 / +0.32)	24.42	✓	✓	✓	36.86	✓	✓	O
12	(-0.44 / +0.44)	32.60	✓	✓	O	49.30	✓	✓	O
15	(-0.53 / +0.53)	40.80	O	O	O	61.60	O	O	O
20	(-0.68 / +0.68)	54.24	O	O	O	81.90	O	O	O

PE-Film protection: one side.

Sheet Tolerances		2440 x 1220mm	3000 x 1500mm
	Length (mm)	(-1.00 / +8.00)	(-1.00 / +11.00)
	Width (mm)	(-1.00 / +4.00)	(-1.00 / +4.00)

All tolerances measured @ 20°C.

Weld rod to suit PPC, see page 141.

✓   Items are normally stocked.

O   Items available on application, minimum quantity may apply.

PPC sheet

PPC leather grain sheet | extruded

Black

Thickness (mm)	Tolerance (mm)	2440 x 1220mm		3000 x 1500mm	
		kg/ea	Black	kg/ea	Black
3	(-0.17 / +0.17)	8.14	✓	12.29	✓
4.5	(-0.20 / +0.20)	12.21	✓	18.44	✓
6	(-0.26 / +0.26)	16.28	✓	24.59	✓
9	(-0.32 / +0.32)	24.42	✓	36.86	✓
12	(-0.44 / +0.44)	32.56	✓	49.17	✓

Thickness: up to 30mm available on application.

PPC pinseal sheet | extruded

Beige

Thickness (mm)	Tolerance (mm)	2440 x 1220mm		3000 x 1500mm	
		kg/ea	Beige	kg/ea	Beige
3	(-0.17 / +0.17)	8.20	O	12.30	O
4.5	(-0.20 / +0.20)	12.21	✓	18.44	O
6	(-0.26 / +0.26)	16.30	✓	24.70	O
8	(-0.32 / +0.32)	21.70	✓	32.90	O

PPC perforated sheet | extruded

Natural

Thickness (mm)	Tolerance (mm)	3mm x 5mm Pitch		3.5mm x 6.35mm Pitch	
		kg/ea	Natural	kg/ea	Natural
3	(-0.17 / +0.17)	5.49	✓	5.74	✓

Sheet size: 2440 x 1220mm.

Sheet Tolerances		2440 x 1220mm	3000 x 1500mm
	Length (mm)	(-1.00 / +8.00)	(-1.00 / +11.00)
	Width (mm)	(-1.00 / +4.00)	(-1.00 / +4.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.

O Items available on application, minimum quantity may apply.

PPC tubes
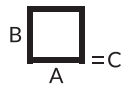
PPC square tubes | extruded
Beige | Black

Size (mm) A x B x C	kg/mtr	Beige	Black
50 x 50 x 4	0.66	✓	✓

Standard lengths: 5000mm.

✓ Items are normally stocked.

PPH

Product full identity:
Polypropylene Homopolymer

PPH is a low density material that offers high chemical resistance, stiffness and melting temperature. PPH also boasts a good upper operating temperature and high dynamic stability, however at low temperatures PPH can become brittle.

Properties

- High rigidity
- High temperature range (+100 to -0°C)
- Excellent chemical resistance
- Lightweight and weldable
- Very low moisture absorption <0.1%
- Food contact approved.

Applications

- Chemical tanks
- Cutting boards
- Pumps
- Valves
- Gaskets.

Forms

Sheet

Hollow rod

Rods

Pressure pipe

Angle

Channel

Square tube

PPH sheet

PPH sheet | extruded

Natural | Beige

Thickness (mm)	Tolerance (mm)	2000 x 1000mm			3000 x 1500mm			4000 x 2000mm		
		kg/ea	Natural	Beige	kg/ea	Natural	Beige	kg/ea	Natural	Beige
1	(-0.11 / +0.11)	1.80	✓	●	-	-	-	-	-	-
1.5	(-0.12 / +0.12)	2.70	✓	O	-	-	-	-	-	-
2	(-0.14 / +0.14)	3.60	✓	●	8.20	O	●	-	-	-
3	(-0.17 / +0.17)	5.50	✓	✓	12.20	✓	✓	22.00	-	O
4	(-0.20 / +0.20)	7.30	✓	✓	16.30	✓	✓	29.30	-	O
5	(-0.23 / +0.23)	9.10	✓	✓	20.40	✓	✓	36.30	O	●
6	(-0.26 / +0.26)	10.90	✓	✓	24.50	✓	✓	43.50	O	●
8	(-0.32 / +0.32)	14.50	✓	✓	32.70	✓	✓	58.00	O	●
10	(-0.38 / +0.38)	18.10	✓	✓	40.80	✓	✓	72.60	O	●
12	(-0.44 / +0.44)	21.80	✓	✓	49.00	✓	✓	87.10	O	●
15	(-0.53 / +0.53)	27.20	✓	✓	61.20	✓	✓	108.80	O	●
20	(-0.68 / +0.68)	36.30	✓	✓	81.60	✓	✓	145.10	O	●
25	(-0.83 / +0.83)	45.40	✓	✓	102.00	✓	✓	181.40	O	●
30	(-0.98 / +0.98)	54.40	✓	✓	122.40	O	✓	217.70	O	●
35	(-1.13 / +1.13)	63.50	O	O	142.80	O	O	254.00	O	O
40	(-1.28 / +1.28)	72.60	✓	✓	165.10	O	●	290.20	O	●
50	(-1.58 / +1.58)	90.70	O	✓	-	-	-	362.80	O	●

Sheet Tolerances		2000 x 1000mm	3000 x 1500mm	4000 x 2000mm
	Length (mm)	(-1.00 / +8.00)	(-1.00 / +11.00)	(-1.00 / +11.00)
	Width (mm)	(-1.00 / +4.00)	(-1.00 / +4.00)	(-1.00 / +6.00)

All tolerances measured @ 20°C.

Weld rod to suit PPH, see page 141.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.
O Items available on application, minimum quantity may apply.
- Items are not available.

PPH sheet

PPH sheet | pressed and planed

Natural | Beige

Thickness (mm)	Tolerance (mm)	kg/ea	2000 x 1000mm Natural	2000 x 1000mm Beige
10	(0.00 / +0.40)	18.20	✓	O
12	(0.00 / +0.40)	21.84	✓	O
15	(0.00 / +0.40)	27.30	✓	✓
20	(0.00 / +0.40)	36.40	✓	✓
25	(0.00 / +0.40)	45.50	✓	✓
30	(0.00 / +0.40)	54.60	✓	✓
35	(0.00 / +0.40)	63.70	O	O
40	(0.00 / +0.40)	72.80	✓	✓
45	(0.00 / + 0.40)	81.90	O	O
50	(0.00 / +0.40)	91.00	✓	✓
55	(0.00 / +0.40)	100.10	O	O
60	(0.00 / +0.40)	109.20	✓	✓
70	(0.00 / +0.40)	127.40	✓	✓
80	(0.00 / +0.40)	145.60	✓	O
100	(0.00 / +0.40)	182.00	✓	O

Thicknesses: Up to 150mm available on application
Colour: Black available on application.

Sheet Tolerances		2000 x 1000mm
	Length (mm)	(-1.00 / +17.00)
	Width (mm)	(-1.00 / +10.00)

All tolerances measured @ 20°C.

Weld rod to suit PPH, see page 141.

✓ Items are normally stocked.

O Items available on application, minimum quantity may apply.

PPH rod

PPH rod | extruded

Natural | Beige

Diameter (mm)	Tolerance (mm)	kg/mtr	Natural	Beige	Diameter (mm)	Tolerance (mm)	kg/mtr	Natural	Beige
8	(+0.10 / +0.50)	0.05	O	O	120	(+0.80 / +4.60)	10.70	✓	✓
10	(+0.10 / +0.60)	0.08	✓	✓	125	(+0.80 / +4.60)	11.59	O	O
12	(+0.20 / +0.70)	0.11	✓	✓	130	(+0.90 / +5.40)	12.60	✓	✓
15	(+0.20 / +0.80)	0.17	✓	✓	140	(+0.90 / +5.40)	14.57	✓	✓
20	(+0.20 / +1.20)	0.30	✓	✓	150	(+1.00 / +5.80)	16.83	✓	✓
25	(+0.20 / +1.20)	0.47	✓	✓	160	(+1.10 / +6.30)	19.05	✓	✓
30	(+0.20 / +1.20)	0.67	✓	✓	165	(+1.20 / +7.40)	20.33	O	✓
35	(+0.20 / +1.30)	0.91	✓	✓	170	(+1.20 / +7.40)	21.83	O	●
40	(+0.20 / +1.50)	1.19	✓	✓	180	(+1.30 / +8.50)	24.14	✓	✓
45	(+0.30 / +2.00)	1.50	✓	✓	200	(+1.30 / +8.50)	29.84	✓	✓
50	(+0.30 / +2.00)	1.86	✓	✓	225	(+1.50 / +9.50)	37.65	✓	✓
55	(+0.30 / +2.00)	2.24	✓	✓	250	(+1.50 / +9.50)	46.28	✓	✓
60	(+0.30 / +2.30)	2.67	✓	✓	280	(+1.50 / +10.50)	58.54	O	●
65	(+0.30 / +2.50)	3.13	✓	✓	300	(+1.50 / +10.50)	66.41	✓	✓
70	(+0.30 / +2.50)	3.62	✓	✓	350	(+1.50 / +12.00)	90.42	●	✓
75	(+0.40 / +3.00)	4.18	✓	✓	400	(+1.50 / +12.00)	117.54	●	●
80	(+0.40 / +3.00)	4.74	✓	✓	500	(+1.50 / +12.00)	182.46	●	●
90	(+0.50 / +3.40)	6.01	✓	✓	600	(+1.50 / +12.00)	261.60	O	●
100	(+0.60 / +3.80)	7.62	✓	✓	700	(+1.50 / +12.00)	354.94	O	●
110	(+0.70 / +4.20)	8.99	✓	✓	800	(+1.50 / +12.00)	467.62	O	●

Standard lengths:
8 - 200mm	=	2000mm
225 - 500mm	=	1000mm
600 - 800mm	=	O/A.

Length Tolerance (mm)	(-0.00% / +3.00%)

All tolerances measured @ 20°C.

Colour: Black available on request.

Other diameters available on request.

PPH hollow rod | extruded

Beige

Available on application

✓ Items are normally stocked.

● Items available on application, normally within 7 days.

O Items available on application, minimum quantity may apply.

PPH profiles
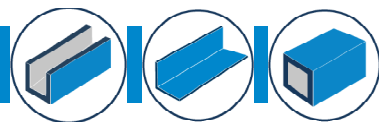
PPH channel | extruded
Beige

Size (mm) A x B x C	kg/mtr	Beige
27 x 46 x 3	0.33	●
48 x 46 x 3.5	0.45	●
49 x 69 x 4	0.69	●
49 x 112 x 4	1.00	●

Size (mm) A x B x C	kg/mtr	Beige
69 x 65 x 4	0.73	●
69 x 132 x 4	1.22	●
90 x 92 x 4	1.00	●
90 x 150 x 4	1.42	●
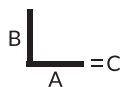
PPH angle | extruded
Beige

Size (mm) A x B x C	kg/mtr	Beige
40 x 40 x 4	0.39	●
50 x 50 x 5	0.73	●
60 x 60 x 7	0.92	●
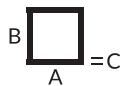
PPH square tubes | extruded
Beige

Size (mm) A x B x C	kg/mtr	Beige
35 x 35 x 3	0.39	●
50 x 50 x 4	0.73	●

PPH rectangle tubes | extruded
Beige

Size (mm) A x B x C	kg/mtr	Beige
73 x 53 x 4	0.92	●

Standard lengths for all above: 5000mm.

● Items available on application, normally within 10-14 days.

PPH pressure pipe

PPH pressure pipe | extruded

Beige

Size (mm)	Wall (mm)	PN 3.1 Beige	Wall (mm)	PN 3.9 Beige	Wall (mm)	PN 7.5 Beige	Wall (mm)	PN 12.5 Beige
20	-	-	-	-	-	-	1.9	●
25	-	-	-	-	1.8	●	2.3	●
32	-	-	-	-	1.8	●	2.9	●
40	-	-	-	-	2.3	●	3.7	●
50	-	-	1.8	●	2.9	●	4.6	●
63	1.8	●	-	-	3.6	●	5.8	●
75	1.9	●	-	-	4.3	●	6.8	●
90	2.2	●	-	-	5.1	●	8.2	●
110	2.7	●	3.4	●	6.3	●	10.0	●
125	3.1	●	3.9	●	7.1	●	11.4	●
140	3.5	●	4.3	●	8.0	●	12.7	●
160	4	●	4.9	●	9.1	●	14.6	●
180	4.4	●	5.5	●	10.2	●	16.4	●
200	4.9	●	6.2	●	11.4	●	18.2	●
225	5.5	●	6.9	●	12.8	●	20.5	●
250	6.2	●	7.7	●	14.2	●	22.7	●
280	6.9	●	8.6	●	15.9	●	25.4	●
315	7.7	●	9.7	●	17.9	●	28.6	●
355	8.7	●	10.9	●	20.1	●	32.3	●
400	9.8	●	12.3	●	22.7	●	36.3	●
450	-	-	-	-	22.7	●	40.9	●
500	12.3	●	-	-	22.7	●	45.4	●

Standard lengths: 5000mm.

Key:
Size = Outside diameter.

● Items available on application, normally within 7 days.

- Items are not available.

PP - FR

Product full identity:
Polypropylene - Fire Retardant

PP-FR has most of the attributes of standard PP, with the added advantage of being a fire retardant grade.

Properties

- Improved fire resistance
- Wide temperature range (+80 to -0°C)
- Excellent chemical resistance
- Lightweight and weldable
- Very low moisture absorption <0.1%.

Applications

- Heating ventilation
- Air conditioning systems.

Forms

Sheet

PP - FR sheet

PPC - FR sheet | extruded

Grey

Thickness (mm)	Tolerance (mm)	2440 x 1220mm		3000 x 1500mm	
		kg/ea	Grey	kg/ea	Grey
3	(-0.09 / +0.09)	9.30	✓	14.04	●
4.5	(-0.14/ +0.14)	13.95	✓	21.06	●
6	(-0.18 / +0.18)	18.60	✓	28.08	●
9	(-0.27 / +0.27)	27.90	✓	42.12	●

PE-Film protection: one side.

PPH - FR sheet | extruded

Grey

Thickness (mm)	Tolerance (mm)	2000 x 1000mm		3000 x 1500mm	
		kg/ea	Grey	kg/ea	Grey
3	(-0.17 / +0.17)	5.60	●	12.50	●
4	(-0.20 / +0.20)	7.50	●	16.80	●
5	(-0.20 / +0.20)	9.40	●	21.10	●
6	(-0.26 / +0.26)	11.20	●	25.30	●
8	(-0.32 / +0.32)	15.00	●	33.80	●
10	(-0.38 / +0.38)	18.80	●	42.30	●
12	(-0.44 / +0.44)	22.70	●	51.00	●
15	(-0.53 / +0.53)	28.40	●	63.80	●
20	(-0.68 / +0.68)	39.90	●	85.20	●

Sheet size: 4000 x 2000mm available on request.

		2000 x 1000mm	2440 x 1220mm	3000 x 1500mm
Sheet Tolerances	**Length (mm)**	(-1.00 / +8.00)	(-1.00 / +8.00)	(-1.00 / +11.00)
	Width (mm)	(-1.00 / +4.00)	(-1.00 / +4.00)	(-1.00 / +4.00)

All tolerances measured @ 20°C.

Weld rod to suit PPC / PPH - FR, see page 141.

✓ Items are normally stocked.

● Items available on application, normally within 7 days.

PPC - PB

Product full identity:
Polypropylene Copolymer - Polyester Backed

PPC-PB is a polyester backed PP sheet. By applying fibreglass to the fabric backing it is possible to acheive strength and rigidity that is comparable with metal.

Properties

- Allows fibreglass reinforcement to be applied
- Wide temperature range (+80 to -20°C)
- Excellent chemical resistance
- Very low moisture absorption <0.1%
- Food contact approved.

Applications

- Large tanks that require fibreglass reinforcement.

Forms

Sheet

PPC - PB sheet

PPC - PB sheet | extruded

Beige

Thickness (mm)	Tolerance (mm)	2440 x 1220mm kg/ea	2440 x 1220mm Beige	3000 x 1500mm kg/ea	3000 x 1500mm Beige
3	(-0.09 / +0.09)	8.13	✓	12.28	✓
4	(-0.12 / +0.12)	10.84	✓	16.38	✓
6	(-0.18 / +0.18)	16.25	✓	24.57	✓
8	(-0.24 / +0.24)	21.67	✓	32.76	✓

PPC.PB = Polyester backed

PPC.PP = Polypropylene backed, available on application.

Sheet Tolerances		2440 x 1220mm	3000 x 1500mm
	Length (mm)	(-1.00 / +8.00)	(-1.00 / +11.00)
	Width (mm)	(-1.00 / +4.00)	(-1.00 / +4.00)

All tolerances measured @ 20°C.

Weld rod to suit PPC, see page 141.

✓ Items are normally stocked.
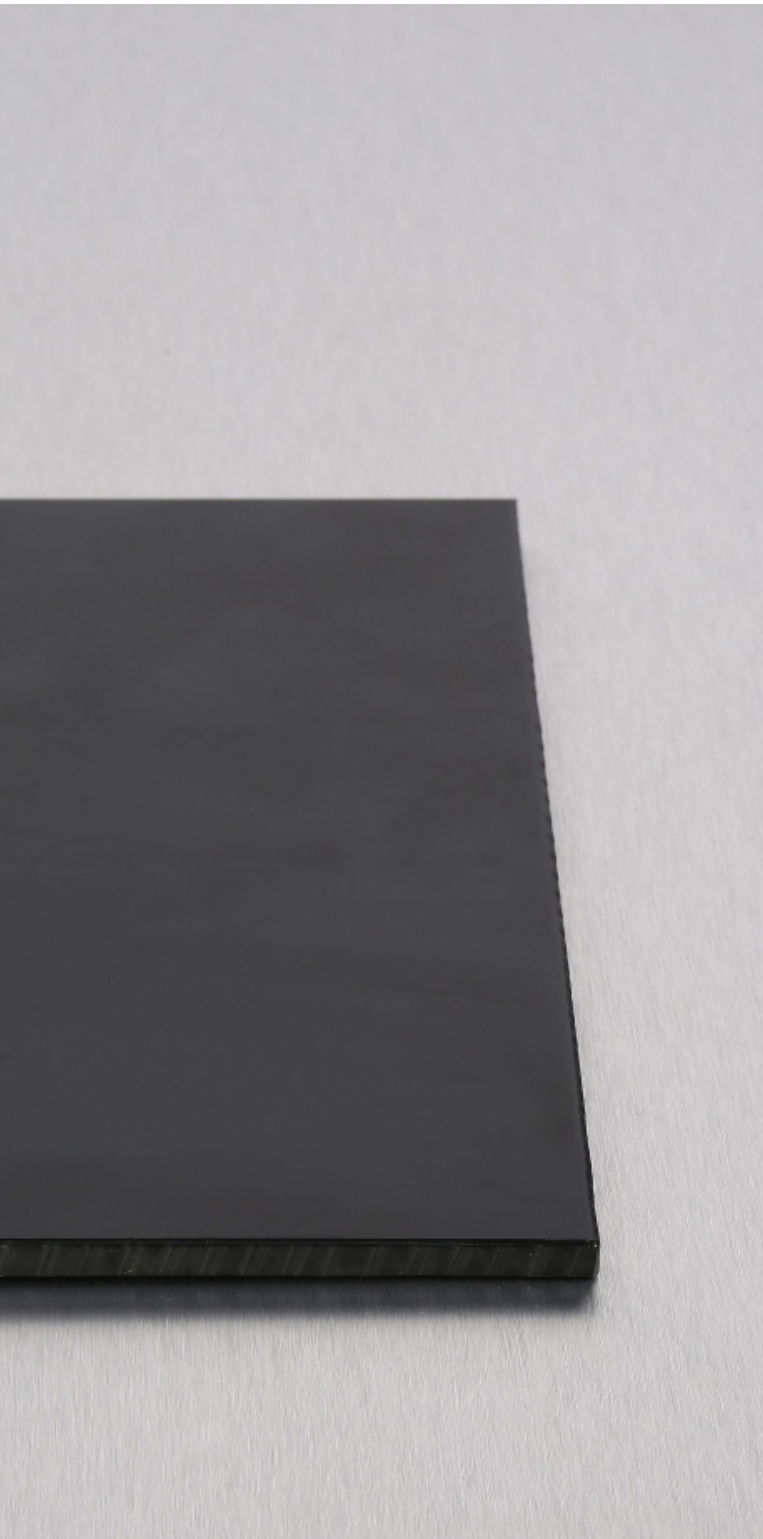
PP / PE - R / PP - R

Product full identity:
Polypropylene / Polyethylene - Regenerated

PP/PE-R is a regenerated material consisting of a mix of PP and PE. This product offers similar properties to virgin grades but without any warranty. This material is not recommended for welding.

PP-R is similar to the above but with the added advantage of being weldable, for non-critical applications.

Properties

- Low cost
- Wide temperature range (+80 to -20°C)
- High chemical resistance
- Lightweight
- Good UV resistance.

Applications

- Signage, linings and impact strips.

Forms

Sheet

PP / PE - R sheet | extruded

Black

Thickness (mm)	Tolerance (mm)	2440 x 1220mm		3000 x 1500mm	
		kg/ea	Black	kg/ea	Black
3	(-0.09 / +0.09)	8.48	✓	12.82	O
4.5	(-0.14 / +0.14)	12.72	✓	19.24	O
6	(-0.18 / +0.18)	16.97	✓	25.65	O
9	(-0.27 / +0.27)	25.45	✓	38.47	O

PP/PE = Not recommended for welding.

		2440 x 1220mm	3000 x 1500mm
Sheet Tolerances	Length (mm)	(-1.00 / +8.00)	(-1.00 / +11.00)
	Width (mm)	(-1.00 / +4.00)	(-1.00 / +4.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply.

PP - R sheet

PP - R sheet | extruded

Black

Thickness (mm)	Tolerance (mm)	2440 x 1220mm kg/ea	Black	3000 x 1500mm kg/ea	Black
3	(-0.17 / +0.17)	8.20	O	12.30	O
4.5	(-0.20 / +0.20)	12.21	O	18.44	O
6	(-0.26 / +0.26)	16.30	O	24.70	O
9	(-0.32 / +0.32)	21.70	O	32.90	O
12	(-0.44 / +0.44)	32.60	O	49.30	O

PP-R = Reprocessed PP.

Sheet Tolerances		2440 x 1220mm	3000 x 1500mm
	Length (mm)	(-1.00 / +8.00)	(-1.00 / +11.00)
	Width (mm)	(-1.00 / +4.00)	(-1.00 / +4.00)

All tolerances measured @ 20°C.

O   Items available on application, minimum quantity may apply.

PE

Established since 1969
You can trust in our experience and overall product knowledge

European suppliers
We source our materials from world leading suppliers

Extensive range
We have a comprehensive range of products available

Product development
We are continuously developing our range

Stock holding
Over 2500 tonnes from our extensive warehousing facilities

Product support
Our knowledgeable sales team offer quality product support

Distribution
We aim to deliver via our own fleet and always with care

PE

PE - LD

Product full identity:
Polyethylene - Low Density

PE-LD has very high impact strength at low temperatures. It has good chemical resistance, low water absorption and excellent electrical properties. PE-LD is a highly flexible material when compared to other PE grades.

Properties

- High Flexibility
- Wide temperature range (+80 to -50°C)
- High impact strength
- Lightweight and weldable
- Very low moisture absorption <0.1%
- Food contact approved.

Applications

- Used in areas where the flexibility is a consideration
- Packaging and processing.

Forms

Sheet

PE - LD sheet

PE - LD sheet | extruded

Natural

Thickness (mm)	Tolerance (mm)	2440 x 1220mm	
		kg/ea	Natural
1.5	(-0.08 / +0.08)	4.16	✓
3	(-0.09 / +0.09)	8.32	✓
4.5	(-0.15 / +0.15)	12.48	✓
6	(-0.18 / +0.18)	16.63	✓
9	(-0.24 / +0.24)	24.94	✓

Rolls: Available on application
Sheets: Other sizes available on application.

Sheet Tolerances		2440 x 1220mm
	Length (mm)	(-1.00 / +8.00)
	Width (mm)	(-1.00 / +4.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.

PE - HD (300)

Product full identity:
Polyethylene - High Density

PE - HD (300) is a lightweight material that has excellent impact and sliding properties. PE 300 is also corrosion resistant, has good chemical resistance and low moisture absorption. This material grade is also food compliant, is easy to fabricate and weld.

Properties

- High impact strength
- Good chemical resistance
- Wide temperature range (+80 to -50°C)
- Lightweight and weldable
- Very low moisture absorption <0.1%
- Food contact approved.

Applications

- Chemical packaging
- Packaging
- Food processing
- Automotive
- Leisure.

Forms

Sheet		Hollow rod	
Rod		Channel	
Angle		Square tube	

PE - HD (300) sheet

PE - HD (300) sheet | extruded

Natural | Black

Thickness (mm)	Tolerance (mm)	2000 x 1000mm			3000 x 1500mm		
		kg/ea	Natural	Black	kg/ea	Natural	Black
1	(-0.11 / +0.11)	1.90	✓	✓	4.32	O	O
1.5	(-0.12 / +0.12)	2.90	✓	✓	6.48	O	O
2	(-0.14 / +0.14)	3.80	✓	✓	8.60	✓	✓
3	(-0.17 / +0.17)	5.80	✓	✓	13.00	✓	✓
4	(-0.20 / +0.20)	7.70	✓	✓	17.30	✓	✓
5	(-0.23 / +0.23)	9.60	✓	✓	21.60	✓	✓
6	(-0.26 / +0.26)	11.50	✓	✓	25.90	✓	✓
8	(-0.32 / +0.32)	15.40	✓	✓	34.60	✓	✓
10	(-0.38 / +0.38)	19.20	✓	✓	43.20	✓	✓
12	(-0.44 / +0.44)	23.00	✓	✓	51.80	✓	✓
15	(-0.53 / +0.53)	28.80	✓	✓	64.80	✓	✓
20	(-0.68 / +0.68)	38.40	✓	✓	86.40	✓	✓
25	(-0.83 / +0.83)	48.00	✓	✓	108.00	✓	✓
30	(-0.98 / +0.98)	57.60	✓	✓	129.60	✓	✓
35	(-1.13 / +1.13)	67.20	O*	●*	151.20	O*	O*
40	(-1.28 / +1.28)	76.80	O*	✓*	172.80	O*	O*
50	(-1.58 / +1.58)	96.00	-	✓*	-	-	-

*Available in PE100 only.

Sheet size: 4000 x 2000mm available on request.

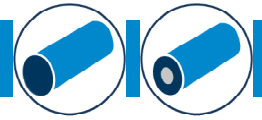|		2000 x 1000mm	3000 x 1500mm
Sheet Tolerances	Length (mm)	(-1.00 / +8.00)	(-1.00 / +11.00)
	Width (mm)	(-1.00 / +4.00)	(-1.00 / +4.00)

All tolerances measured @ 20°C.

Weld rod to suit PE 300 fabrication see page 142.

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply.

PE - HD (300) rod

PE - HD (300) rod | extruded

Natural | Black

Diameter (mm)	Tolerance (mm)	kg/mtr	Natural	Black
8	(+0.10 / +0.50)	0.05	O	O
10	(+0.10 / +0.60)	0.08	✓	✓
12	(+0.20 / +0.70)	0.12	✓	✓
15	(+0.20 / +0.80)	0.18	✓	✓
20	(+0.20 / +1.20)	0.32	✓	✓
25	(+0.20 / +1.20)	0.50	✓	✓
30	(+0.20 / +1.20)	0.71	✓	✓
35	(+0.20 / +1.30)	0.96	✓	✓
40	(+0.20 / +1.50)	1.26	✓	✓
45	(+0.30 / +2.00)	1.60	✓	✓
50	(+0.30 / +2.00)	1.97	✓	✓
55	(+0.30 / +2.00)	2.38	✓	✓
60	(+0.30 / +2.30)	2.83	✓	✓
65	(+0.30 / +2.50)	3.32	✓	✓
70	(+0.30 / +2.50)	3.84	✓	✓
75	(+0.40 / +3.00)	4.44	✓	✓
80	(+0.40 / +3.00)	5.03	✓	✓
90	(+0.50 / +3.40)	6.38	✓	✓
100	(+0.60 / +3.80)	7.88	✓	✓
110	(+0.70 / +4.20)	9.58	✓	✓
120	(+0.80 / +4.60)	11.35	✓	✓

Diameter (mm)	Tolerance (mm)	kg/mtr	Natural	Black
125	(+0.80 / +4.60)	12.30	✓	✓
130	(+0.90 / +5.40)	13.33	✓	✓
140	(+0.90 / +5.40)	15.45	✓	✓
150	(+1.00 / +5.80)	17.74	✓	✓
160	(+1.10 / +6.30)	20.20	✓	✓
180	(+1.30 / +8.50)	25.61	✓	✓
200	(+1.30 / +8.50)	31.66	✓	✓
225	(+1.50 / +9.50)	39.94	✓	✓
250	(+1.50 / +9.50)	49.09	✓	✓
300	(+1.50 / +10.50)	70.44	✓	✓
350	(+1.50 / +12.00)	95.91	✓	●
400	(+1.50 / +12.00)	124.69	●	●
450	(+1.50 / +12.00)	157.23	O	O
500	(+1.50 / +12.00)	193.55	●	●
550	(+1.50 / +13.00)	233.64	O	O
600	(+1.50 / +12.00)	277.49	O	●
630	(+1.50 / +12.00)	305.62	O	O
700	(+1.50 / +12.00)	376.52	O	●
750	(+1.50 / +12.00)	431.59	O	O
800	(+1.50 / +12.00)	490.62	O	●

Standard lengths:
8 - 200mm	=	2000mm
200 - 500mm	=	1000mm
600 - 800mm	=	O/A.

Length Tolerance (mm)	(-0.00% / +3.00%)

All tolerances measured @ 20°C.

PE 300 hollow rod | extruded

Natural | Black

Available on application

✓ Items are normally stocked.
● Items available on application, normally within 7 days.

O Items available on application, minimum quantity may apply.

PE - HD (300) profiles
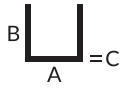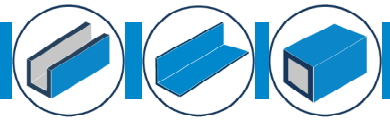
PE - HD (300) channel | extruded
Black

Size (mm) A x B x C	kg/mtr	Black
48 x 46 x 3.5	0.48	●
49 x 69 x 4	0.73	●
49 x 112 x 4	0.78	●

Size (mm) A x B x C	kg/mtr	Black
69 x 65 x 4	0.77	●
69 x 132 x 4	1.28	●
90 x 92 x 4	1.05	●
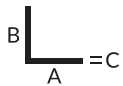
PE - HD (300) angle | extruded
Black

Size (mm) A x B x C	kg/mtr	Black
30 x 30 x 3	0.17	●
50 x 50 x 5	0.49	●
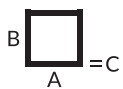
PE - HD (300) square tubes | extruded
Black

Size (mm) A x B x C	kg/mtr	Black
50 x 50 x 4	0.76	●

PE - HD (300) rectangular tubes | extruded
Black

Size (mm) A x B x C	kg/mtr	Black
73 x 53 x 4	0.97	●

Standard lengths for all above: 5000mm.

● Items available on application, normally within 10-14 days.
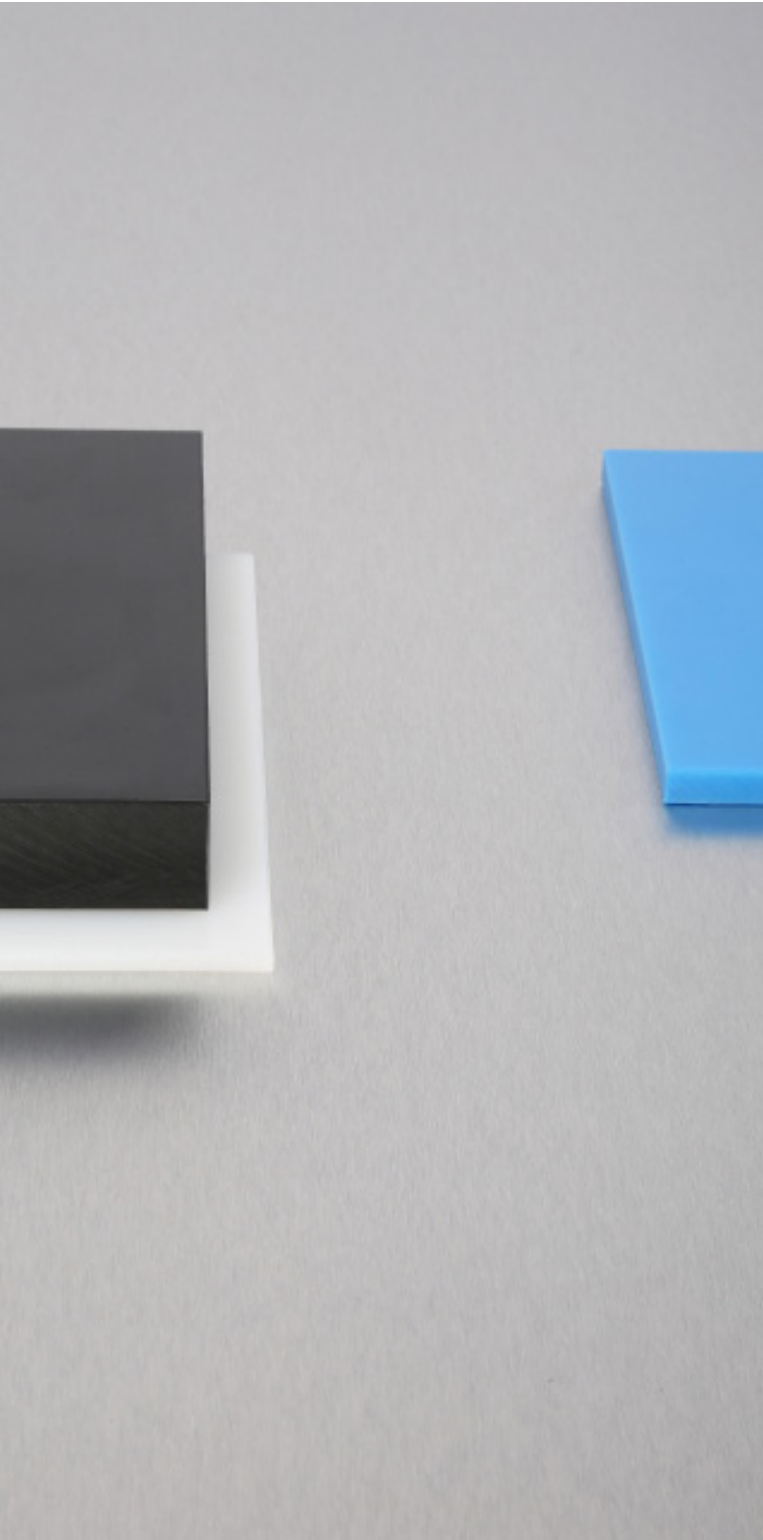
PE - HD (100)

Product full identity:
Polyethylene - High Density

PE100 is cerified grade of HDPE that is proven to be highly resistant to stress cracking under increased pressure ratings.

Properties

- High resistance to stress cracking
- High impact strength
- Wide temperature range (+80 to -50°C)
- Good chemical resistance
- Lightweight and weldable
- Very low moisture absorption <0.1%.

Applications

- Chemical tanks
- High pressure applications
- Boat building

Forms

Sheet   Pressure pipe

PE - HD (100) sheet

PE - HD (100) sheet | extruded

Natural | Black

Thickness (mm)	Tolerance (mm)	2000 x 1000mm			3000 x 1500mm		
		kg/ea	Natural	Black	kg/ea	Natural	Black
5	(-0.23 / +0.23)	9.60	O	O	21.60	O	O
6	(-0.26 / +0.26)	11.50	●	●	25.90	●	●
8	(-0.32 / +0.32)	15.40	●	●	34.60	●	●
10	(-0.38 / +0.38)	19.20	●	●	43.20	●	●
12	(-0.44 / +0.44)	23.00	●	●	51.80	●	●
15	(-0.53 / +0.53)	28.80	●	●	64.80	●	●
20	(-0.68 / +0.68)	38.40	●	●	86.40	●	●
25	(-0.83 / +0.83)	48.00	●	●	108.00	●	●
30	(-0.98 / +0.98)	57.60	●	●	129.60	●	●
35	(-1.13 / +1.13)	67.20	O	●	151.20	O	O
40	(-1.28 / +1.28)	76.80	O	●	172.80	O	●
50	(-1.58 / +1.58)	96.00	-	●	216.00	-	-

Thickness (mm)	Tolerance (mm)	4000 x 2000mm		
		kg/ea	Natural	Black
5	(-0.23 / +0.23)	38.40	-	●
6	(-0.26 / +0.26)	46.10	O	●
8	(-0.32 / +0.32)	61.40	O	●
10	(-0.38 / +0.38)	76.80	●	●
12	(-0.44 / +0.44)	92.20	O	●
15	(-0.53 / +0.53)	115.20	●	●
20	(-0.68 / +0.68)	153.60	●	●
25	(-0.83 / +0.83)	192.00	O	●
30	(-0.98 / +0.98)	230.40	O	●
40	(-1.28 / +1.28)	307.20	-	●

Colour: Light Blue available on application.

		2000 x 1000mm	3000 x 1500mm	4000 x 2000mm
Sheet Tolerances	**Length (mm)**	(-1.00 / +8.00)	(-1.00 / +11.00)	(-1.00 / +11.00)
	Width (mm)	(-1.00 / +4.00)	(-1.00 / +4.00)	(-1.00 / +6.00)

All tolerances measured @ 20°C.

Weld rod to suit PE 100, see page 142.

● Items available on application, normally within 7 days.
O Items available on application, minimum quantity may apply.

PE - HD (100) pressure pipe

PE - HD (100) pressure pipe

Black

Size (mm)	Wall (mm)	PN 5 Black	Wall (mm)	PN 6.3 Black
20	-	-	-	-
25	-	-	-	-
32	-	-	-	-
40	-	-	1.8	●
50	-	-	2.0	●
63	2.0	●	2.5	●
75	2.3	●	2.9	●
90	2.8	●	3.5	●
110	3.0	●	4.2	●
125	3.9	●	4.8	●
140	4.3	●	5.4	●
160	4.9	●	6.2	●
180	5.5	●	6.9	●
200	6.2	●	7.7	●
225	6.9	●	8.6	●
250	7.7	●	9.6	●
280	8.6	●	10.7	●
315	9.7	●	12.1	●
355	10.9	●	13.6	●
400	12.3	●	15.3	●
450	13.8	●	17.2	●
500	15.3	●	19.1	●

Standard lengths: 5000mm.

PN = Pressure class (nominal pressure).

Key:
Size = Outside diameter.

● Items available on application, normally within 7 days.
- Items are not available.

PE - HD (100) pressure pipe

PE - HD (100) pressure pipe

Black

Size OD (mm)	Wall (mm)	PN 10 Black	Wall (mm)	PN 16 Black
20	-	-	-	-
25	-	-	2.3	●
32	1.9	●	2.9	●
40	2.4	●	3.7	●
50	3.0	●	4.6	●
63	3.8	●	5.8	●
75	4.5	●	6.8	●
90	5.4	●	8.2	●
110	6.6	●	10.0	●
125	7.4	●	11.4	●
140	8.3	●	12.7	●
160	9.5	●	14.6	●
180	10.7	●	16.4	●
200	11.9	●	18.2	●
225	13.4	●	20.5	●
250	14.8	●	22.7	●
280	16.6	●	25.4	●
315	18.7	●	28.6	●
355	21.1	●	32.2	●
400	23.7	●	36.3	●
450	26.7	●	40.9	●
500	29.7	●	45.4	●

Standard lengths: 5000mm.

PN = Pressure class (nominal pressure).

Key:
Size = Outside diameter.

● Items available on application, normally within 7 days.
- Items are not available.

PE 500

Product full identity:
Polyethylene - High Molecular Weight

PE 500 has high impact strength and abrasion resistance, as well as good chemical resistance. This material also boasts a low friction coefficient, good wear properties and meets all food contact approvals.

Properties

- Food contact approved
- Excellent impact strength
- Wide temperature range (+80 to -60°C)
- Low coefficient of friction
- Very low moisture absorption <0.1%.

Applications

- Food processing
- Dairy production
- Beverage processing and filling
- Leisure
- All high impact application.

Forms

Sheet

PE 500 sheet

PE 500 sheet | pressed and planed

Natural | Black

Thickness (mm)	Tolerance (mm)	2050 x 1020mm			3050 x 1250mm		
		kg/ea	Natural	Black	kg/ea	Natural	Black
5	(0.00 / +0.40)	10.04	✓	O	18.30	O	O
6	(0.00 / +0.40)	12.04	✓	O	21.96	✓	O
8	(0.00 / +0.40)	16.05	✓	✓	29.28	✓	O
10	(0.00 / +0.40)	20.07	✓	✓	36.60	✓	✓
12	(0.00 / +0.40)	24.07	✓	✓	43.92	✓	✓
15	(0.00 / +0.40)	30.11	✓	✓	54.90	✓	✓
20	(0.00 / +0.40)	40.15	✓	✓	73.20	✓	✓
25	(0.00 / +0.40)	50.18	✓	✓	91.50	✓	✓
30	(0.00 / +0.40)	60.22	✓	✓	109.80	✓	✓
35	(0.00 / +0.40)	70.26	✓	✓	128.10	✓	O
40	(0.00 / +0.40)	80.29	✓	✓	146.40	✓	✓
45	(0.00 / +0.40)	90.33	✓	O	164.70	O	O
50	(0.00 / +0.40)	100.37	✓	✓	183.00	✓	✓
55	(0.00 / +0.40)	110.40	O	O	201.30	O	O
60	(0.00 / +0.40)	120.44	✓	✓	219.60	✓	✓
65	(0.00 / +0.40)	130.48	✓	O	237.90	O	O
70	(0.00 / +0.40)	140.52	✓	✓	256.20	✓	✓
75	(0.00 / +0.40)	150.55	✓	O	274.50	O	O
80	(0.00 / +0.40)	160.59	✓	✓	292.80	O	O
90	(0.00 / +0.40)	180.66	✓	✓	329.40	O	O
100	(0.00 / +0.40)	200.74	✓	✓	366.00	O	O
150*	(0.00 / +0.60)	301.10	✓	O	549.00	O	O

*Stocked in 1000 x 1000mm only.

Sheet size: Other sheet sizes and thicknesses available on application.

Sheet Tolerances		2050 x 1020mm	3050 x 1250mm
	Length (mm)	(-0.00 / +10.00)	(-0.00 / +10.00)
	Width (mm)	(-0.00 / +10.00)	(-0.00 / +10.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.

O Items available on application, minimum quantity may apply.

PE 500 sheet

PE 500 sheet | pressed and planed

Blue | Burgundy | Green

Thickness (mm)	Tolerance (mm)	kg/ea	2050 x 1020mm			kg/ea	3050 x 1250mm		
			Blue	Burgundy	Green		Blue	Burgundy	Green
5	(0.00/ +0.40)	10.04	O	O	O	-	-	-	-
6	(0.00 / +0.40)	12.04	✓	O	O	-	-	-	-
8	(0.00 / +0.40)	16.05	O	O	O	-	-	-	-
10	(0.00 / +0.40)	20.07	✓	O	✓	36.60	✓	O	✓
12	(0.00 / +0.40)	24.09	✓	✓	✓	43.92	✓	✓	✓
15	(0.00 / +0.40)	30.11	✓	✓	O	54.90	✓	O	O
20	(0.00 / +0.40)	40.15	O	✓	O	73.20	✓	✓	✓
25	(0.00 / +0.40)	50.18	O	✓	O	91.50	✓	✓	✓
30	(0.00 / +0.40)	60.22	O	O	O	109.80	O	O	O
40	(0.00 / +0.40)	80.29	O	O	O	146.40	O	O	O
50	(0.00 / +0.40)	100.37	✓	O	O	183.00	O	✓	O
100*	(0.00 / +0.40)	-	-	-	-	190.00	O	✓*	O

* Only available in sheet size 3040 x 660mm from stock.

Sheets: Other sheet sizes and thicknesses available on application.

Sheet Tolerances		2050 x 1020mm	3050 x 1250mm	3040 x 660mm
	Length (mm)	(-0.00 / +10.00)	(-0.00 / +10.00)	(-0.00 / +10.00)
	Width (mm)	(-0.00 / +10.00)	(-0.00 / +10.00)	(-0.00 / +10.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.   – Items are not available.

O Items available on application, minimum quantity may apply.

PE 500 sheet

PE 500 sheet | pressed and planed

Red | Yellow

Thickness (mm)	Tolerance (mm)	2050 x 1020mm			3050 x 1250mm		
		kg/ea	Red	Yellow	kg/ea	Red	Yellow
5	(0.00 / +0.40)	10.04	O	✓	-	-	-
6	(0.00 / +0.40)	12.04	O	O	-	-	-
8	(0.00 / +0.40)	16.05	O	O	-	-	-
10	(0.00 / +0.40)	20.07	✓	✓	36.60	O	O
12	(0.00 / +0.40)	24.09	✓	✓	43.92	✓	✓
15	(0.00 / +0.40)	30.11	O	✓	54.90	O	O
20	(0.00 / +0.40)	40.15	O	✓	73.20	✓	✓
25	(0.00 / +0.40)	50.18	✓	✓	91.50	✓	✓
30*	(0.00 / +0.40)	60.22	✓*	✓	109.80	O	O
40	(0.00 / +0.40)	80.29	O	O	146.40	O	O
50	(0.00 / +0.40)	100.37	O	O	183.00	O	O
100	(0.00 / +0.40)	-	-	-	190.00	O	O

* Only available in sheet size 3040 x 660mm from stock.

Sheets: Other sheet sizes and thicknesses available on application.

		2050 x 1020mm	3050 x 1250mm	3040 x 660mm
Sheet Tolerances	**Length (mm)**	(-0.00 / +10.00)	(-0.00 / +10.00)	(-0.00 / +10.00)
	Width (mm)	(-0.00 / +10.00)	(-0.00 / +10.00)	(-0.00 / +10.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.   - Items are not available.

O Items available on application, minimum quantity may apply.
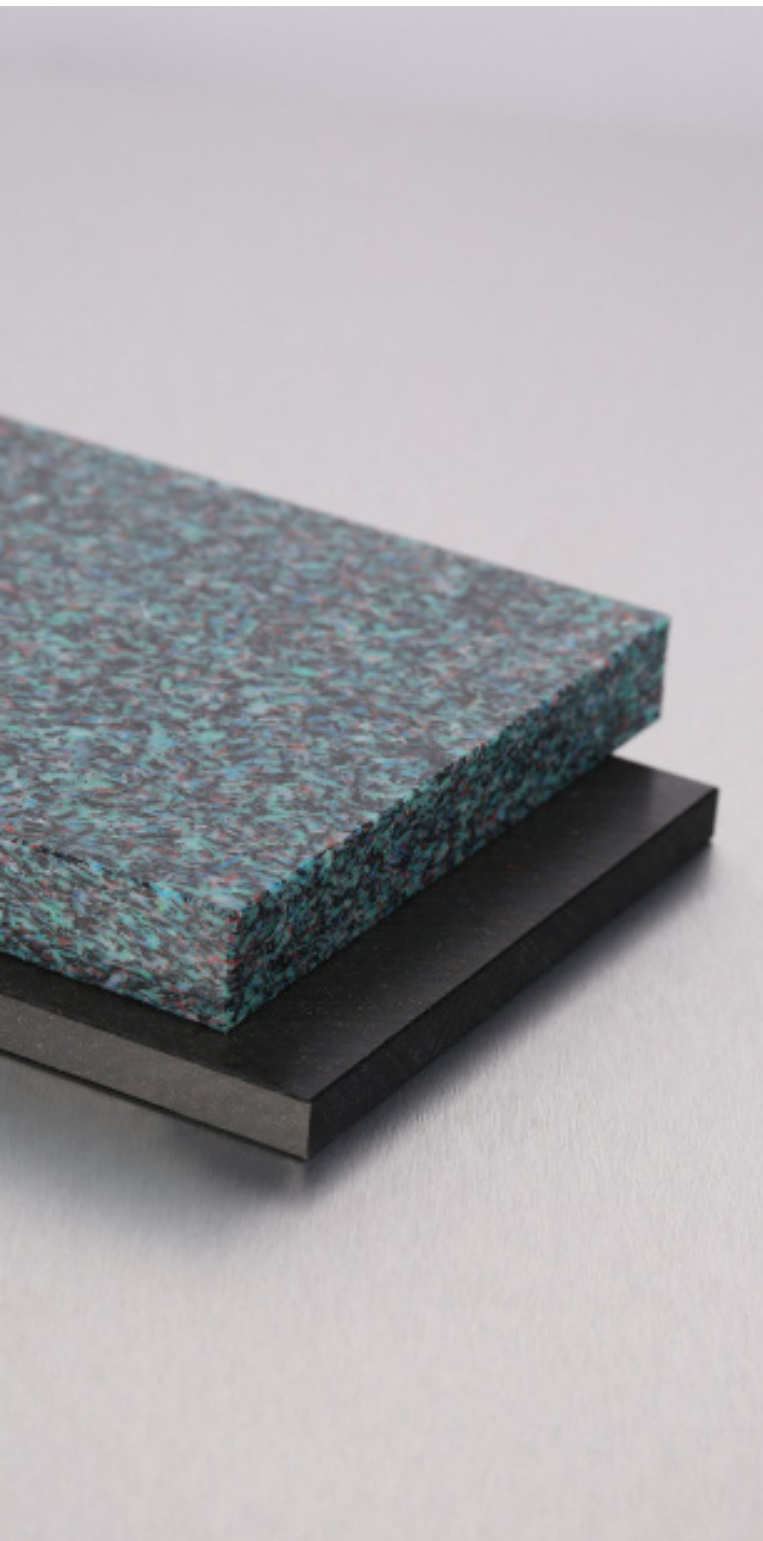
PE 500 confetti

Product full identity:
Polyethylene - Reprocessed High Molecular Weight

PE 500 Confetti offers a viable alternative to virgin grades when considering less critical applications. This multi-coloured product offers a low cost material that will not decay or corrode.

Properties

• Low cost
• High impact strength
• Wide temperature range (+80 to -50°C)
• Low coefficient of friction
• Very low moisture absorption <0.1%.

Applications

• General packaging
• Bulk handling
• Impact rails
• Many low cost applications.

Forms

Sheet

PE 500 - confetti sheet | pressed and planed

Black

Thickness (mm)	Tolerance (mm)	2050 x 1020mm		3050 x 1250mm	
		kg/ea	Black*	kg/ea	Black*
10	(0.00 / +0.40)	20.07	✓	36.60	✓
12	(0.00 / +0.40)	24.09	✓	43.92	✓
15	(0.00 / +0.40)	30.11	✓	54.90	✓
20	(0.00 / +0.40)	40.15	✓	73.20	✓
25	(0.00 / +0.40)	50.18	✓	91.50	✓
30	(0.00 / +0.40)	60.22	✓	109.80	✓
35	(0.00 / +0.40)	70.26	O	128.10	O
40	(0.00 / +0.40)	80.29	✓	146.40	✓
50	(0.00 / +0.40)	100.37	✓	183.00	✓
60	(0.00 / +0.40)	120.44	O	219.60	O
70	(0.00 / +0.40)	140.52	O	256.20	O
80	(0.00 / +0.40)	160.59	O	292.80	O
90	(0.00 / +0.40)	180.66	O	329.40	O
100	(0.00 / +0.40)	200.74	O	366.00	O

*Mainly black with small coloured particles.

Colour: Multi-coloured available on application
Sheet size: Other sheet sizes and thicknesses available on application.

		2050 x 1020mm	3050 x 1250mm
Sheet Tolerances	Length (mm)	(-0.00 / +10.00)	(-0.00 / +10.00)
	Width (mm)	(-0.00 / +10.00)	(-0.00 / +10.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply.

PE 1000

Product full identity:
Polyethylene - Ultra High Molecular Weight

PE 1000 has high abrasion resistance, excellent sliding properties and high toughness. It has good chemical resistance, high impact strength and low moisture absorption. PE1000 is also food compliant for all critical processing applications.

Properties

- Excellent wear resistance and sliding properties
- High impact strength
- Wide temperature range (+80 to -200°C)
- Low coefficient of friction
- Very low moisture absorption <0.1%
- Food contact approved.

Applications

- Food processing
- Conveyor and bottling industries
- General machining
- Plant engineering
- Bulk material handling.

Forms

Sheet

Rod

Wearstrip

PE 1000 sheet

PE 1000 sheet | pressed and planed

Natural | Black | Green

Thickness (mm)	Tolerance (mm)	2020 x 1010mm				3050 x 1220mm			
		kg/ea	Natural	Black	Green	kg/ea	Natural	Black	Green
6	(0.00 / +0.40)	11.75	✓	✓	✓	21.96	✓	✓	O
8	(0.00 / +0.40)	15.67	✓	✓	✓	29.28	✓	✓	O
10	(0.00 / +0.40)	19.59	✓	✓	✓	36.60	✓	✓	O
12	(0.00 / +0.40)	23.50	✓	✓	✓	43.92	✓	✓	✓
15	(0.00 / +0.40)	29.38	✓	✓	✓	54.90	✓	✓	O
20	(0.00 / +0.40)	39.17	✓	✓	✓	73.20	✓	✓	✓
25	(0.00 / +0.40)	48.96	✓	✓	✓	91.50	✓	✓	✓
30	(0.00 / +0.40)	58.76	✓	✓	✓	109.80	✓	✓	O
35	(0.00 / +0.40)	68.55	✓	✓	O	128.10	O	✓	O
40	(0.00 / +0.40)	78.34	✓	✓	✓	146.40	✓	✓	O
45	(0.00 / +0.40)	88.14	O	O	O	164.70	O	O	O
50	(0.00 / +0.40)	97.93	✓	✓	✓	183.00	✓	✓	O
60	(0.00 / +0.40)	117.52	✓	✓	O	219.60	✓	✓	O
70	(0.00 / +0.40)	137.10	✓	✓	O	256.20	O	O	O
80	(0.00 / +0.40)	156.69	✓	✓	O	292.80	O	O	O
100	(0.00 / +0.40)	195.86	✓	O	O	366.00	O	O	O
150*	(0.00 / +0.60)	293.77	✓*	O	O	-	-	-	-
200	(0.00 / +0.60)	391.72	O	O	O	-	-	-	-

*Stocked in 1000 x 1000mm only.

Sheet size: Other sheet sizes and thicknesses available on application.

		2020 x 1010mm	3050 x 1220mm
Sheet Tolerances	Length (mm)	(0.00 / +60.00)	(0.00 / +60.00)
	Width (mm)	(0.00 / +30.00)	(0.00 / +30.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply.
– Items are not available.

PE 1000 sheet

PE 1000 sheet | skived

Natural | Black | Green

Thickness (mm)	Tolerance (mm)	2000 x 1000mm				3000 x 1220mm			
		kg/ea	Natural	Black	Green	kg/ea	Natural	Black	Green
1	(-0.00 / +0.40)	2.31	-	●	○	3.38	-	○	○
2	(-0.20 / +0.40)	3.84	✓	●	○	7.75	●	○	○
3	(-0.20 / +0.20)	5.77	✓	●	●	10.60	●	●	○
4	(-0.20 / +0.20)	7.69	✓	●	●	14.10	●	○	●
5	(-0.20 / +0.20)	9.61	✓	✓	●	17.60	●	●	○
6	(-0.30 / +0.30)	11.50	●	●	●	21.10	●	●	○
8	(-0.30 / +0.30)	15.40	●	●	●	28.20	●	○	○

Sheet Tolerances		2000 x 1000mm	3000 x 1220mm
	Length (mm)	(0.00 / +10.00)	(0.00 / +30.00)
	Width (mm)	(0.00 / +10.00)	(0.00 / +10.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.
○ Items available on application, minimum quantity may apply.
- Items are not available.

PE 1000 rod

PE 1000 rod | ram extruded

Natural | Black

Thickness (mm)	Tolerance (mm)	kg/mtr	Natural	Black
20	(+0.20 / +1.00)	0.32	✓	✓
25	(+0.20 / +1.10)	0.48	✓	✓
30	(+0.20 / +1.20)	0.70	✓	✓
35	(+0.20 / +1.30)	0.93	✓	O
40	(+0.20 / +1.50)	1.23	✓	✓
45	(+0.30 / +1.70)	1.57	✓	O
50	(+0.30 / +2.00)	1.93	✓	✓
55	(+0.30 / +2.00)	2.31	O	O
60	(+0.30 / +2.30)	2.77	✓	✓
70	(+0.30 / +2.50)	3.76	✓	✓
80	(+0.40 / +3.00)	4.93	✓	✓
90	(+0.50 / +3.40)	6.24	✓	✓
100	(+0.60 / +3.80)	7.71	✓	✓
110	(+0.70 / +4.20)	9.34	✓	✓
120	(+0.70 / +4.20)	11.12	✓	✓
125	(+0.80 / +4.60)	12.04	✓	✓
130	(+0.80 / +4.60)	13.05	✓	✓
140	(+0.90 / +5.40)	15.13	✓	✓
150	(+1.00 / +5.80)	17.37	✓	✓
160	(+1.10 / +6.30)	19.78	✓	✓
180	(+1.20 / +7.40)	25.08	✓	✓
200	(+1.30 / +8.50)	31.00	✓	✓

Standard lengths: 2000mm.

Colour: Green available on application
Diameters: Other sizes, up to 250mm, available on Application.

Length Tolerance (mm)	(-0.00% / +60.00%)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply.

PE 1000 annealed rod
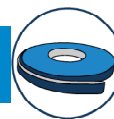
PE 1000 annealed rod | ram extruded

Natural | Black

Thickness (mm)	Tolerance (mm)	kg/mtr	Natural	Black
20	(+0.20 / +1.00)	0.32	O	O
25	(+0.20 / +1.10)	0.48	O	O
30	(+0.20 / +1.20)	0.70	O	O
35	(+0.20 / +1.30)	0.93	O	O
40	(+0.20 / +1.50)	1.23	O	O
45	(+0.30 / +1.70)	1.57	O	O
50	(+0.30 / +2.00)	1.93	O	O
55	(+0.30 / +2.00)	2.31	O	O
60	(+0.30 / +2.30)	2.77	✓	✓
70	(+0.30 / +2.50)	3.76	✓	✓
80	(+0.40 / +3.00)	4.93	✓	✓
90	(+0.50 / +3.40)	6.24	✓	✓
100	(+0.60 / +3.80)	7.71	✓	✓
110	(+0.70 / +4.20)	9.34	✓	✓
120	(+0.70 / +4.20)	11.12	✓	✓
125	(+0.80 / +4.60)	12.04	O	O
130	(+0.80 / +4.60)	13.05	✓	✓
140	(+0.90 / +5.40)	15.13	✓	✓
150	(+1.00 / +5.80)	17.37	O	O
160	(+1.10 / +6.30)	19.78	✓	✓
180	(+1.20 / +7.40)	25.08	O	O
200	(+1.30 / +8.50)	31.00	O	O

Standard lengths: 2000mm.

Colour: Green available on application

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply.

PE 1000 wear strip
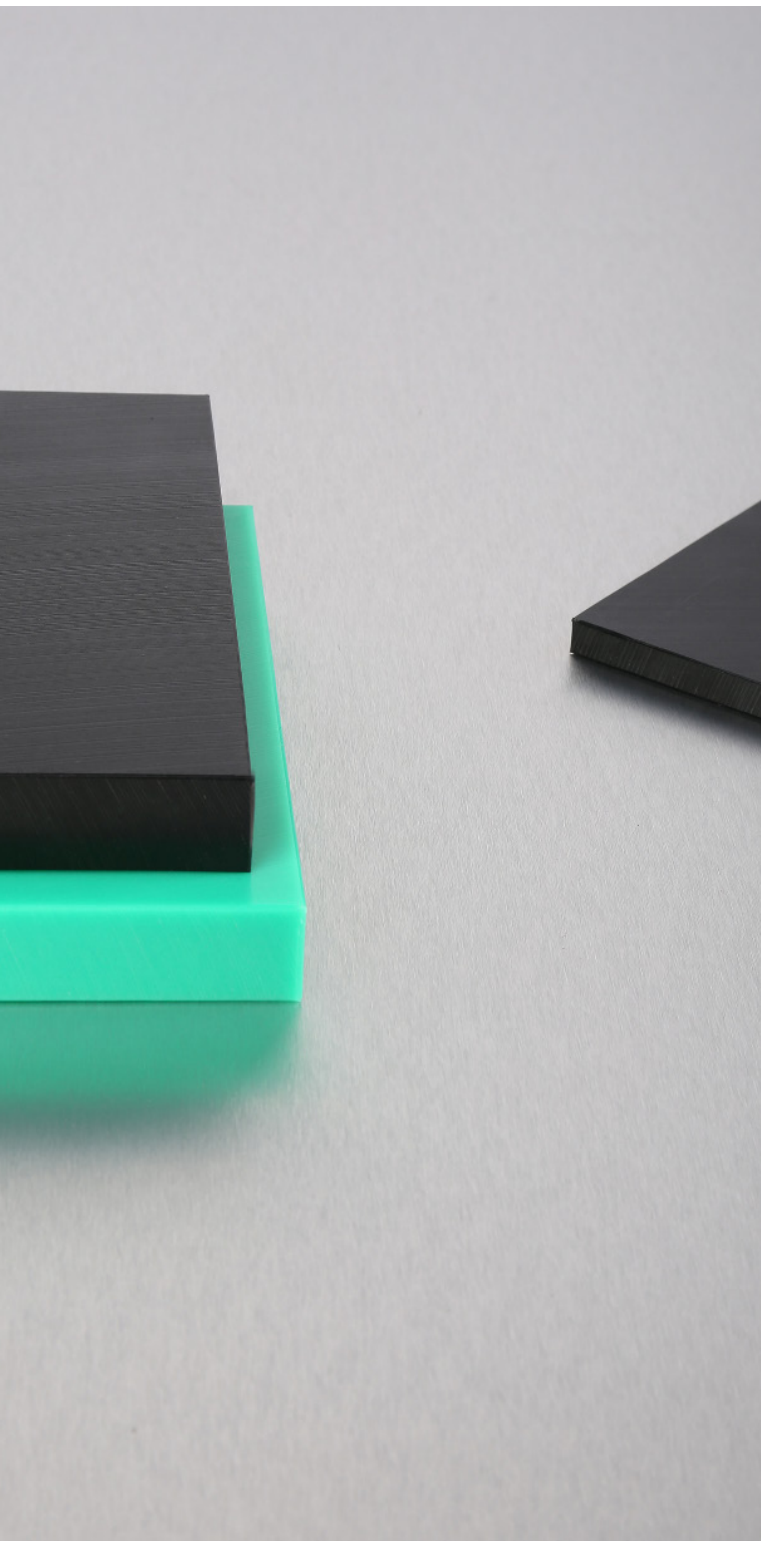
PE 1000 wear strip

Green | Black

Size (mm)	Coil Length (m)	Green	Black
20 x 3	80	✓	O
20 x 5	48	✓	O
25 x 3	80	✓	O
25 x 5	48	✓	O
30 x 3	80	✓	O
30 x 5	48	✓	O
35 x 3	80	-	O*
35 x 5	48	O	O
40 x 3	80	✓	O
40 x 5	48	✓	O
50 x 3	80	✓	O
50 x 5	48	✓	O
60 x 3	80	✓	O
60 x 5	48	O	O

*To be discontinued.

Other sizes available on application.

✓   Items are normally stocked.
O   Items available on application, minimum quantity may apply.

PE 1000 - R | material information

PE 1000 - R

Product full identity:
Polyethylene - Reprocessed Ultra High Molecular Weight

PE 1000-R is a reprocessed, low cost, alternative to our standard virgin grade PE1000 material. This material carries similar properties as PE1000, such as good wear resistance and sliding properties. PE1000-R, however does have some minor restrictions i.e. not recommended for food contact.

Properties

- Low cost
- High wear resistance and sliding properties
- High Impact strength
- Wide temperature range (+80 to -100°C)
- Very low moisture absorption <0.1%.

Applications

- General machining
- Wear applications
- Conveying
- Packaging
- Bulk material handling.

Forms

Sheet

PE 1000 - R sheet

## PE 1000 - R sheet | pressed and planed

Black | Green

Thickness (mm)	Tolerance (mm)	2050 x 1020mm			3050 x 1250mm		
		kg/ea	Black	Green	kg/ea	Black	Green
5	(0.00 / +0.40)	10.04	✓	✓	18.30	✓	O
6	(0.00 / +0.40)	12.04	✓	✓	21.96	✓	✓
8	(0.00 / +0.40)	16.06	✓	✓	29.28	✓	✓
10	(0.00 / +0.40)	20.07	✓	✓	36.60	✓	✓
12	(0.00 / +0.40)	24.09	✓	✓	43.92	✓	✓
15	(0.00 / +0.40)	30.11	✓	✓	54.90	✓	✓
20	(0.00 / +0.40)	40.15	✓	✓	73.20	✓	✓
25	(0.00 / +0.40)	50.18	✓	✓	91.50	✓	✓
30	(0.00 / +0.40)	60.22	✓	✓	109.80	✓	✓
35	(0.00 / +0.40)	70.26	✓	✓	128.10	✓	O
40	(0.00 / +0.40)	80.29	✓	✓	146.40	✓	✓
45	(0.00 / +0.40)	90.33	✓	O	164.70	✓	O
50	(0.00 / +0.40)	100.37	✓	✓	183.00	✓	✓
60	(0.00 / +0.40)	120.44	✓	✓	219.60	✓	O
70	(0.00 / +0.40)	140.52	✓	✓	256.20	O	O
80	(0.00 / +0.40)	160.59	✓	✓	292.80	O	O
100	(-0.40 / +0.40)	200.74	✓	O	366.00	O	O

Sheet Size: Other sheet sizes and thicknesses available on application.

		2050 x 1020mm	3000 x 1220mm
Sheet Tolerances	**Length (mm)**	(-0.00 / +10.00)	(-0.00 / +10.00)
	Width (mm)	(-0.00 / +10.00)	(-0.00 / +10.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply

PE 1000 - EL | material information
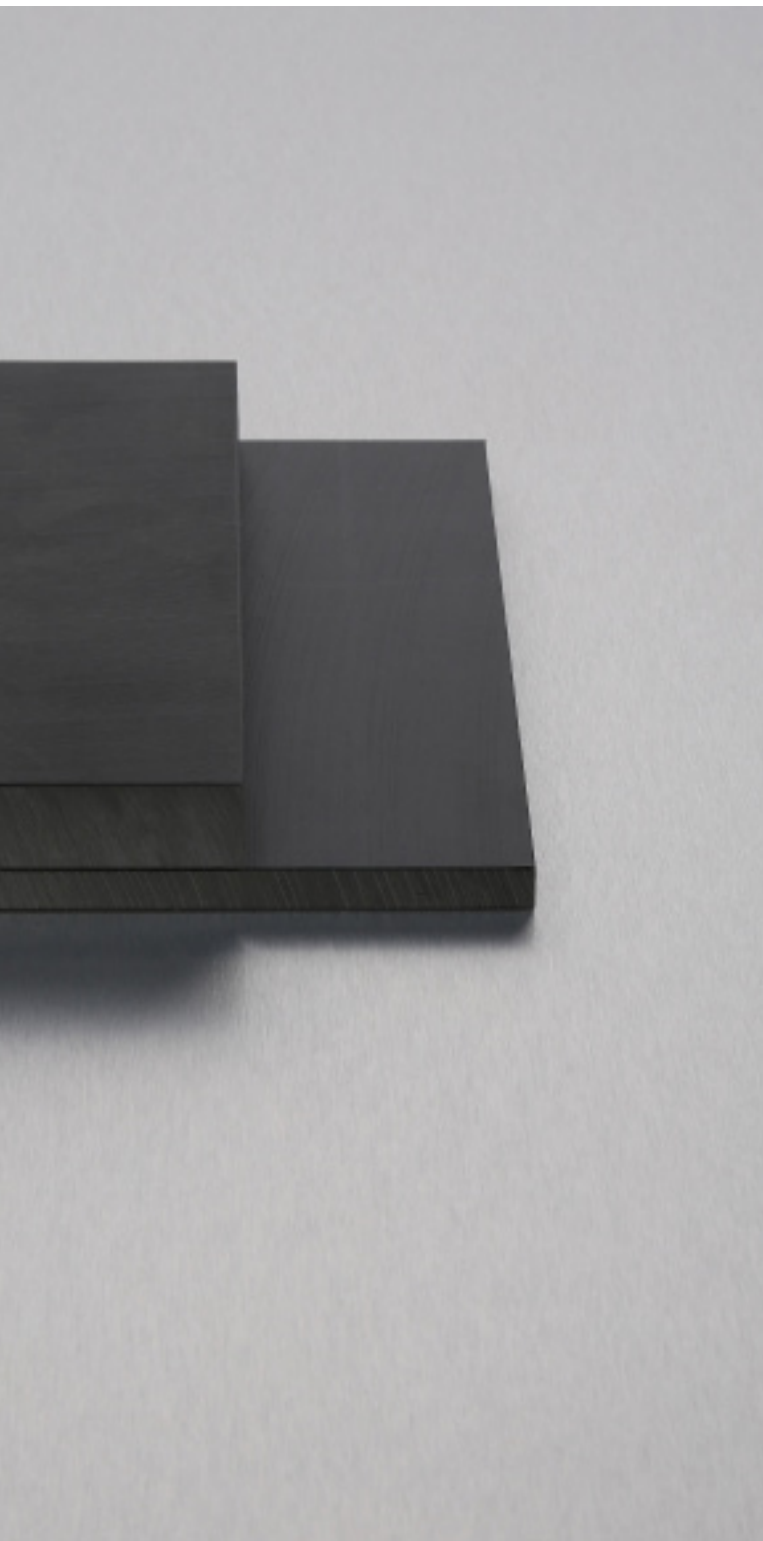
PE 1000 - EL

Product full identity:
Polyethylene - Electrical Conductive Ultra High Molecular Weight

PE 1000-EL remains permanently antistatic and conductive. Offering high impact strength and low moisture absorption this material is effective for applications such as electrically sensitive and lining applications.

Properties

- Permanently antistatic and conductive
- Excellent wear resistance and sliding properties
- High impact strength
- Wide temperature range (+80 to -200°C)
- Low coefficient of friction
- Very low moisture absorption <0.1%
- Food contact approved.

Applications

- Ideal for application where explosive hazards are possible and all sensitive requirements.

Forms

Sheet

PE 1000 - EL sheet

PE 1000 - EL sheet | pressed and planed

Black

Thickness (mm)	Tolerance (mm)	2050 x 1020mm	
		kg/ea	Black
6	(0.00 / +0.40)	12.04	✓
8	(0.00 / +0.40)	16.06	O
10	(0.00 / +0.40)	20.07	✓
12	(0.00 / +0.40)	24.09	✓
15	(0.00 / +0.40)	30.11	✓
20	(0.00 / +0.40)	40.15	✓
25	(0.00 / +0.40)	50.18	✓
30	(0.00 / +0.40)	60.22	✓
40	(0.00 / +0.40)	80.29	O
50	(0.00 / +0.40)	100.37	✓
60	(0.00 / +0.40)	120.44	O
70	(0.00 / +0.40)	140.51	O
80	(0.00 / +0.40)	160.59	O
100	(0.00 / +0.40)	200.74	O

Sheet size: Other sheet sizes and thicknesses available on application.

		2050 x 1020mm
Sheet Tolerances	**Length (mm)**	(-0.00 / +10.00)
	Width (mm)	(-0.00 / +10.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply

PE 1000 - MD

Product full identity:
Polyethylene - Metal Detectable Ultra High Molecular Weight

PE 1000 MD is tailored for metal detection specifically within the food processing & packaging industries. It offers excellent impact strength, wear and abrasion resistance. PE 1000 MD also has good chemical resistance, very low moisture absorption and is food compliant.

Properties

- Metal detectable
- Excellent wear resistance and sliding properties
- High impact strength
- Wide temperature range (+80 to -200°C)
- Low coefficient of friction
- Very low moisture absorption
- Food contact approved.

Applications

- Scanning equipment.

Forms

Sheet   Rod

PE 1000 - MD sheet & rod

PE 1000 - MD sheet | pressed and planed

Dark blue

Thickness (mm)	Tolerance (mm)	3000 x 1200mm	
		kg/ea	Dark blue
25	(0.00 / +0.40)	91.40	✓
40	(0.00 / +0.40)	145.80	✓
80	(0.00 / +0.60)	291.30	✓

Thickness: 6 to 100mm available on application.

		3000 x 1200mm
Sheet Tolerances	Length (mm)	(0.00 / +30.00)
	Width (mm)	(0.00 / +10.00)

All tolerances measured @ 20°C.

PE 1000 - MD rod | extruded

Dark blue

Diameter (mm)	Tolerance (mm)	kg/mtr	Dark blue
25	(0.00 / +1.00)	1.80	✓
40	(0.00 / +1.00)	6.90	✓
80	(0.00 / +1.00)	17.40	✓

Standard lengths: 3000mm.

Diameter: 20 to 200mm available on application.

✓ Items are normally stocked.

PE UltraPlus® | material information
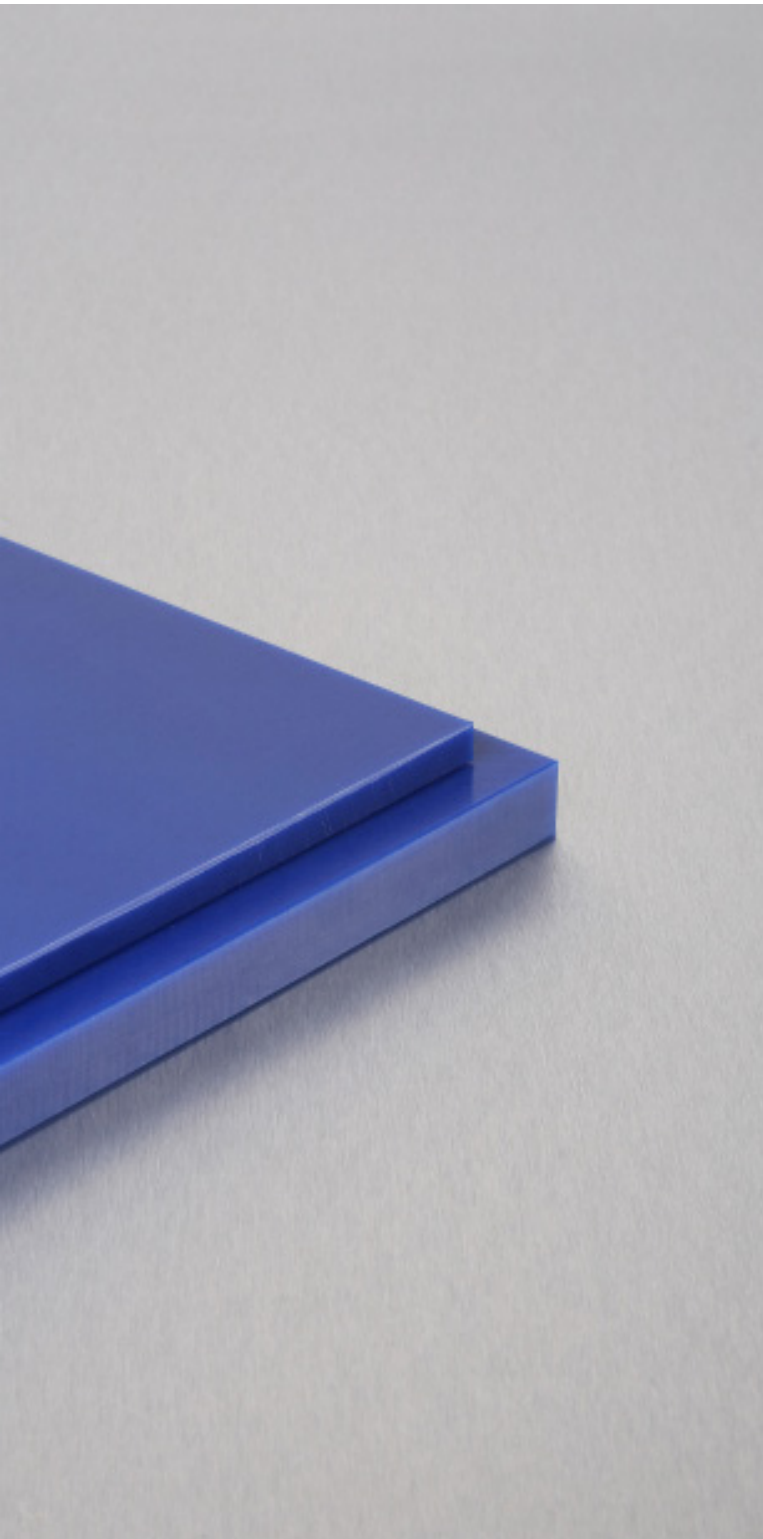
PE UltraPlus®

Product full identity:
Polyethylene - Ultra High Molecular Weight Plus Special Additives

PE UltraPlus® has a built-in dry lubricant that gives an excellent low sliding friction coefficient and extremely good wear resistance. It also offers excellent noise absorption, very good chemical resistance and is food compliant.

Properties

- Outstanding wear resistance and sliding properties
- High impact strength
- Wide temperature range (+80 to -200°C)
- Low coefficient of friction
- Very low moisture absorption <0.1%
- Food contact approved.

Applications

- Developed for the conveyor industry, this material is proven to improve the life cycles between maintenance.

Forms

Sheet

PE UltraPlus® sheet

PE UltraPlus® sheet | pressed and planed
Dark blue (RAL 5002)

Thickness (mm)	Tolerance (mm)	3050 x 1220mm	
		kg/ea	Dark blue
10	(0.00 / +0.40)	37.00	✓
12	(0.00 / +0.40)	44.30	✓
15	(0.00 / +0.40)	55.10	✓
20	(0.00 / +0.40)	73.30	✓
25	(0.00 / +0.40)	91.40	✓
30	(0.00 / +0.40)	109.60	✓
35	(0.00 / +0.40)	127.70	✓
40	(0.00 / +0.40)	145.80	✓
50	(0.00 / +0.40)	182.10	✓
60	(0.00 / +0.40)	218.40	O
70	(0.00 / +0.40)	254.70	✓
80	(0.00 / +0.40)	290.90	O
90	(0.00 / +0.60)	327.60	O
100	(0.00 / +0.60)	363.90	O

Sheet size: Other sheet sizes and thicknesses available on application.

		3050 x 1220mm
Sheet Tolerances	Length (mm)	(0.00 / +30.00)
	Width (mm)	(0.00 / +10.00)

All tolerances measured @ 20°C.

Colours: RAL numbers detailed are for guide purposes only.

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply

Engineering

Established since 1969
You can trust in our experience and overall product knowledge

European suppliers
We source our materials from world leading suppliers

Extensive range
We have a comprehensive range of products available

Product development
We are continuously developing our range

Stock holding
Over 2500 tonnes from our extensive warehousing facilities

Product support
Our knowledgeable sales team offer quality product support

Distribution
We aim to deliver via our own fleet and always with care

Acetal Copolymer

Product full identity:
Polyoxymethylene Copolymer / POM C

Acetal Copolymer has a wide operative temperature range of +105 to -40°C. This material also boasts a high surface strength that is matched by few materials. This material also has good sliding properties, high resistance to wear and a low risk to cracking.

Properties

- Good strength and stiffness
- High dimensional stability
- Wide temperature range (+115 to -50 °C)
- Low moisture absorption
- Good sliding properties
- Food contact approved.

Applications

- Bearing
- Gear wheels
- Wear guides
- Locking systems.

Forms

Sheet   Hollow rod

Rod

Engineering

Acetal copolymer sheet

Acetal copolymer sheet | extruded

Natural | Black | Blue FG (RAL 5002)

Thickness (mm)	Tolerance (mm)	kg/ea	2000 x 1000mm			kg/ea	3000 x 610mm	
			Natural	Black	Blue FG		Natural	Black
0.5*	(-0.10 / +0.10)	0.78	●	○	-	-	-	-
0.8*	(-0.10 / +0.10)	1.21	●	○	-	-	-	-
1	(-0.10 / +0.10)	2.92	✓	●	-	-	-	-
1.5	(-0.15 / +0.15)	4.38	✓	○	-	-	-	-
2	(-0.15 / +0.15)	5.86	✓	✓	-	-	-	-
3	(-0.20 / +0.20)	8.76	✓	✓	-	-	-	-
4	(-0.20 / +0.20)	11.68	✓	✓	-	-	-	-
5	(-0.25 / +0.25)	14.58	✓	✓	-	-	-	-
6	(-0.25 / +0.25)	17.50	✓	✓	-	-	-	-
8	(+0.20 / +1.10)	24.80	✓	✓	-	23.10	✓	●
10	(+0.20 / +1.10)	30.70	✓	✓	✓	28.32	✓	✓
12	(+0.30 / +1.50)	37.50	✓	✓	○	34.65	✓	✓
15	(+0.30 / +1.50)	46.20	○	○	○	42.60	✓	○
16	(+0.30 / +1.50)	49.10	✓	✓	○	45.30	✓	✓
20	(+0.30 / +1.50)	60.70	✓	✓	✓	56.10	✓	✓
25	(+0.30 / +1.50)	75.20	✓	✓	✓	69.45	✓	✓
30	(+0.50 / +2.50)	91.50	✓	✓	✓	84.60	✓	✓
35	(+0.50 / +2.50)	107.32	✓	✓	○	97.95	✓	✓
40	(+0.50 / +2.50)	120.60	✓	✓	✓	111.30	✓	✓
45	(+0.50 / +2.50)	136.32	○	✓	○	124.80	○	✓
50	(+0.50 / +2.50)	149.60	✓	✓	✓	138.15	✓	✓
60	(+0.50 / +3.50)	180.10	✓	○	○	166.35	✓	✓
70	(+0.50 / +3.50)	212.40	✓	●	✓	193.20	✓	✓
80	(+0.50 / +5.00)	242.78	✓	✓	✓	222.00	✓	✓
100	(+0.50 / +5.00)	301.46	✓	✓	✓	275.70	✓	✓

*All produced on continuous rolls, sold per metre.

Thicknesses: Other sizes up to 150mm, available on application

Sheet Tolerances		2000 x 1000mm	3000 x 610mm
	Length (mm)	(0.00 / +60.00)	(0.00 / +90.00)
	Width (mm)	(0.00 / +40.00)	(0.00 / +24.00)

All tolerances measured @ 20°C.

Colours: RAL numbers detailed are for guide purposes only.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.
○ Items available on application, minimum quantity may apply.
- Items are not available.

Acetal copolymer rod

Acetal copolymer rod | extruded

Natural | Black | Blue FG (RAL 5002)

Diameter (mm)	Tolerance (mm)	kg/mtr	Natural	Black	Blue FG
3	(+0.10 / +0.30)	0.01	O	O	O
4	(+0.10 / +0.30)	0.02	O	O	O
5	(+0.10 / +0.60)	0.03	✓	✓	O
6	(+0.10 / +0.60)	0.05	✓	✓	O
8	(+0.10 / +0.70)	0.08	✓	✓	O
10	(+0.10 / +0.70)	0.12	✓	✓	O
12	(+0.20 / +0.80)	0.18	✓	✓	O
15	(+0.20 / +0.80)	0.27	✓	✓	O
16	(+0.20 / +0.80)	0.31	✓	✓	O
18	(+0.20 / +0.80)	0.39	✓	✓	O
20	(+0.20 / +0.80)	0.47	✓	✓	✓
22	(+0.20 / +1.00)	0.58	✓	✓	O
25	(+0.20 / +1.00)	0.74	✓	✓	✓
28	(+0.20 / +1.00)	0.93	✓	✓	O
30	(+0.20 / +1.00)	1.05	✓	✓	✓
32	(+0.20 / +1.20)	1.22	✓	✓	O
36	(+0.20 / +1.20)	1.52	✓	✓	O
40	(+0.20 / +1.20)	1.86	✓	✓	✓
45	(+0.30 / +1.30)	2.39	✓	✓	O
50	(+0.30 / +1.30)	2.92	✓	✓	✓
56	(+0.30 / +1.30)	3.65	✓	✓	O
60	(+0.30 / +1.60)	4.18	✓	✓	✓
65	(+0.30 / +1.60)	4.92	✓	✓	O
70	(+0.30 / +1.60)	5.66	✓	✓	✓

Standard lengths: 3 - 150mm = 3000mm
160 - 400mm = 1000mm.

Colours: Other colours available on application.

Diameters 75-400mm: see page 76.

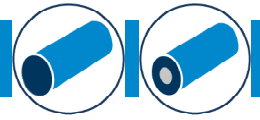| Length Tolerance (mm)	(-0.00% / +3.00%)

All tolerances measured @ 20°C.

Colours: RAL numbers detailed are for guide purposes only.

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply.

Acetal copolymer rod

Acetal copolymer rod | extruded
Natural | Black | Blue FG (RAL 5002)

Diameter (mm)	Tolerance (mm)	kg/mtr	Natural	Black	Blue FG
75	(+0.40 / +2.00)	6.57	✓	✓	O
80	(+0.40 / +2.00)	7.42	✓	✓	✓
85	(+0.50 / +2.20)	8.43	✓	✓	O
90	(+0.50 / +2.20)	9.38	✓	✓	✓
100	(+0.60 / +2.50)	11.60	✓	✓	✓
110	(+0.70 / +3.00)	14.15	✓	✓	O
120	(+0.80 / +3.50)	16.90	O	✓	O
125	(+0.80 / +3.50)	18.30	✓	✓	O
130	(+0.90 / +3.80)	19.03	✓	✓	O
135	(+0.90 / +3.80)	21.35	O	O	O
140	(+0.90 / +3.80)	22.90	✓	✓	O
150	(+1.00 / +4.20)	26.35	✓	✓	O
160	(+1.10 / +4.50)	30.00	✓	✓	O
165	(+1.20 / +5.00)	31.76	✓	✓	O
180	(+1.20 / +5.00)	37.90	✓	✓	O
200	(+1.30 / +5.50)	46.80	✓	✓	O
210	(+1.30 / +5.80)	51.60	●	O	O
230	(+1.50 / +6.20)	61.85	O	O	O
250	(+1.50 / +6.20)	72.85	✓	✓	O
280	(+1.50 / +6.20)	90.69	●	O	O
300	(+1.50 / +7.50)	104.70	✓	✓	O
400	(+2.00 / +12.00)	189.70	O	O	O

Standard lengths: 3 - 150mm = 3000mm
160 - 400mm = 1000mm.

Length Tolerance (mm)	(-0.00% / +3.00%)

Colours: Other colours available on application.

All tolerances measured @ 20°C.

Diameters: Other sizes available on application.

Acetal Copolymer hollow rod | extruded
Natural | Black
Available on application

Colours: RAL numbers detailed are for guide purposes only.

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply.

Acetal homopolymer | material information

Acetal homopolymer

Product full identity:
Polyoxymethylene homopolymer / POM H

Acetal Homopolymer offers good sliding properties with a low coefficient of friction. Homopolymer generally has a higher stiffness, hardness, mechanical and creep resistance when compared to Acetal co-polymer.

Properties

- High strength and hardness
- Good creep resistance
- Wide temperature range (+105 to -50°C)
- Low moisture absorption
- Good sliding properties

Applications

- Bearings
- Gear wheels
- Wear guides
- Locking systems.

Forms

Sheet   Rod

Acetal homopolymer sheet & Rod

Acetal homopolymer sheet | extruded

Black

Thickness (mm)	Tolerance (mm)	3000 x 610mm kg/ea	Black	Thickness (mm)	Tolerance (mm)	3000 x 610mm kg/ea	Black
8	(+0.20 / +0.90)	23.10	O	25	(+0.30 / +1.50)	69.45	✓
10	(+0.20 / +0.90)	28.32	O	30	(+0.30 / +1.50)	84.60	✓
12	(+0.20 / +0.90)	34.65	✓	35	(+0.30 / +1.50)	97.95	O
15	(+0.20 / +0.90)	42.60	O	40	(+0.50 / +2.50)	111.30	O
16	(+0.20 / +0.90)	45.30	✓	45	(+0.50 / +2.50)	124.80	O
20	(+0.30 / +1.50)	56.10	✓	50	(+0.50 / +2.50)	138.15	O

Colour: Natural available on application.

Sheet Tolerances	3000 x 610mm	
	Length (mm)	(0.00 / +90.00)
	Width (mm)	(0.00 / +24.00)

All tolerances measured @ 20°C.

Acetal homopolymer rod | extruded

Natural | Black

Diameter (mm)	Tolerance (mm)	kg/mtr	Natural	Black	Diameter (mm)	Tolerance (mm)	kg/mtr	Natural	Black
10	(+0.10 / +0.50)	0.12	O	O	40	(+0.20 / +0.90)	1.86	✓	✓
12	(+0.20 / +0.70)	0.18	✓	O	45	(+0.20 / +0.90)	2.39	●	O
15	(+0.20 / +0.70)	0.27	O	O	50	(+0.30 / +1.30)	2.92	✓	✓
18	(+0.20 / +0.70)	0.39	●	O	60	(+0.30 / +1.60)	4.18	✓	O
20	(+0.20 / +0.70)	0.47	✓	O	70	(+0.30 / +1.60)	5.66	O	O
22	(+0.20 / +0.90)	0.58	O	O	80	(+0.40 / +2.00)	7.42	✓	O
25	(+0.20 / +0.90)	0.74	✓	✓	90	(+0.50 / +2.20)	9.38	O	O
30	(+0.20 / +0.90)	1.05	✓	✓	100	(+0.60 / +2.50)	11.60	✓	O
32	(+0.20 / +0.90)	1.22	✓	O	120	(+0.80 / +3.50)	16.90	●	O
36	(+0.20 / +0.90)	1.51	✓	O	130	(+0.90 / +3.80)	19.90	●	O

Standard lengths: 3000mm.

Diameters: Other sizes up to 200mm, available on application.

Length Tolerance (mm)	(-0.00% / +3.00%)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.
O Items available on application, minimum quantity may apply.

Acetal MD | material information
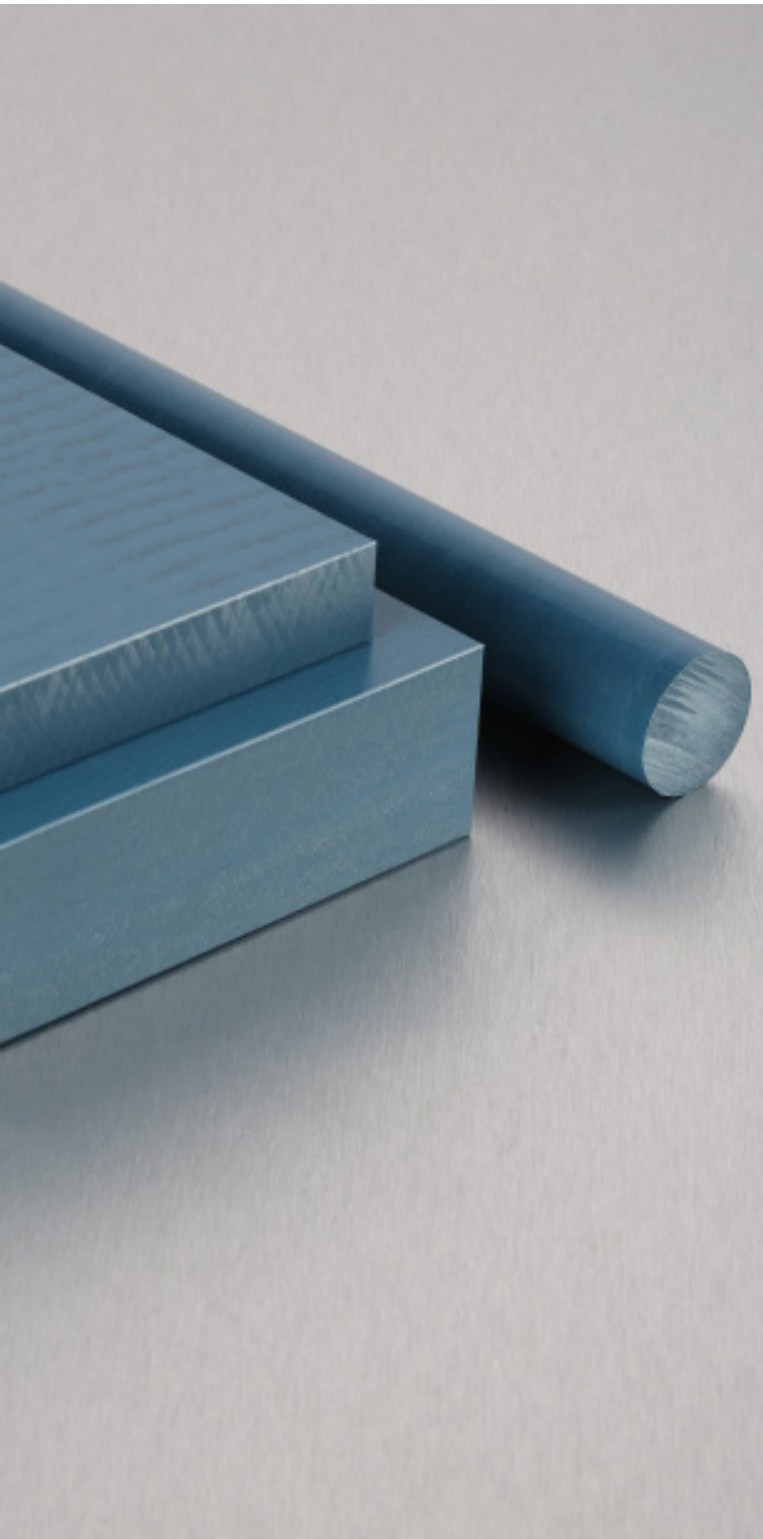
Acetal MD

Product full identity:
Polyoxymethylene Metal Detectable / POM MD

This copolymer Acetal grade material, is specifically tailored for use in the food processing and packaging industries. Acetal MD provides good mechanical strength, stiffness and impact strength and it is also food compliant.

Properties

- Metal detectable
- High dimensional stability
- Wide temperature range (+115 to -50°C)
- Low moisture absorption
- Good sliding properties
- Food contact approved.

Applications

- Detection of metal parts within the food processing and packaging industries.

Forms

Sheet   Rod

Acetal MD sheet & rod

Acetal MD sheet | extruded

Blue

Thickness (mm)	Tolerance (mm)	3000 x 610mm	
		kg/ea	Blue
20	(+0.30 / +1.50)	59.40	✓
40	(+0.50 / +2.50)	117.90	✓
80	(+0.50 / +5.00)	234.90	✓

Thicknesses: Other thicknesses are available on application.

Sheet Tolerances		3000 x 610mm
	Length (mm)	(0.00 / +90.00)
	Width (mm)	(+5.00 / +25.00)

All tolerances measured @ 20°C.

Acetal MD rod | extruded

Blue

Diameter (mm)	Tolerance (mm)	kg/mtr	Blue
30	(+0.20 / +1.20)	1.12	✓
50	(+0.30 / +2.00)	3.11	✓
80	(+0.40 / +3.00)	7.94	✓
125	(+0.80 / +3.50)	19.20	✓

Standard lengths: 3000mm.

Diameters: Other diameters are available on application.

✓ Items are normally stocked.

Nylon 6 | material information
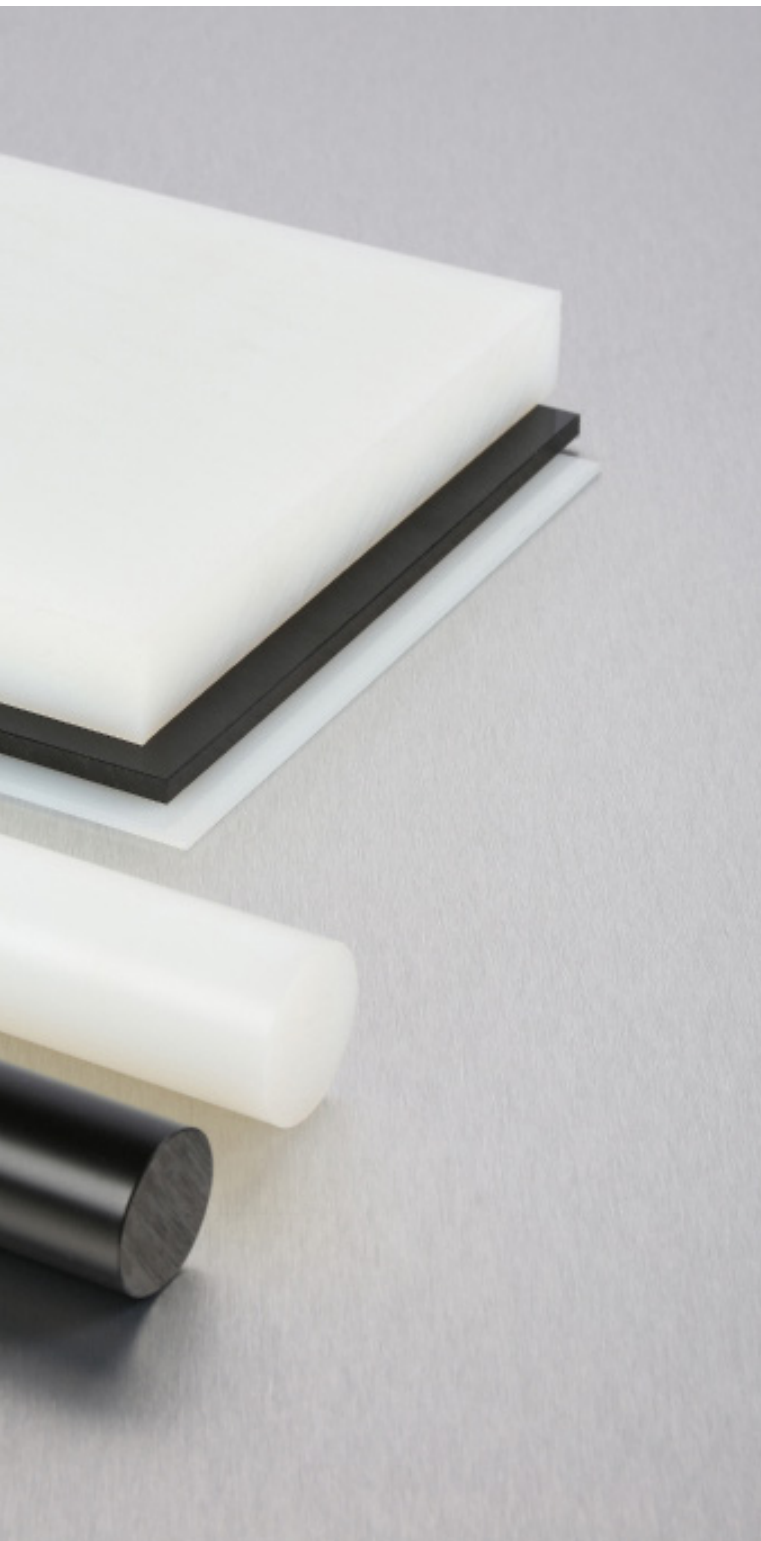
Nylon 6 extruded

Product full identity:
Nylon 6 / Polyamide 6 (PA 6)

Nylon 6 (extruded) offers an optimal combination of mechanical strength, stiffness, toughness and wear resistance. These properties, together with good electrial characteristics and good chemical resistance makes Nylon 6 an ideal general purpose material.

Properties

- General purpose engineering material
- Wide temperature range (+85 to -40°C)
- Good wear and chemical resistance
- Good strength and stiffness
- Dimension stability and electrical properties
- Food contact approved
- Easily machined.

Applications

- Gears
- Bushes
- Washers
- Applications that require wear resistance.

Forms

Sheet   Rod

Nylon 6 sheet

Nylon 6 sheet | extruded

Natural | Black

Thickness (mm)	Tolerance (mm)	2000 x 1000mm			3000 x 610mm		
		kg/ea	Natural	Black	kg/ea	Natural	Black
0.3 *	(-0.10 / +0.10)	0.72	●*	○*	-	-	-
0.5 *	(-0.10 / +0.10)	1.18	●*	○*	-	-	-
0.8 *	(-0.10 / +0.10)	1.90	●*	○*	-	-	-
1	(-0.10 / +0.10)	2.38	✓	✓	-	-	-
1.5	(-0.15 / +0.15)	3.56	✓	○	-	-	-
2	(-0.15 / +0.15)	4.74	✓	✓	-	-	-
2.5	(-0.20 / +0.20)	5.92	●	○	-	-	-
3	(-0.20 / +0.20)	7.12	✓	✓	-	-	-
4	(-0.20 / +0.20)	9.48	✓	✓	-	-	-
5	(-0.25 / +0.25)	11.86	✓	✓	-	-	-
6	(-0.25 / +0.25)	14.24	✓	✓	-	-	-
8	(+0.20 / +1.10)	20.52	✓	○	-	-	-
10	(+0.20 / +1.10)	-	-	-	23.19	✓	○
12	(+0.30 / +1.50)	-	-	-	28.02	✓	○
15	(+0.30 / +1.50)	-	-	-	34.50	✓	○
20	(+0.30 / +1.50)	-	-	-	45.45	✓	○
25	(+0.30 / +1.50)	-	-	-	56.25	✓	○
30	(+0.50 / +2.50)	-	-	-	68.40	✓	○
40	(+0.50 / +2.50)	-	-	-	90.15	✓	○
50	(+0.50 / +2.50)	-	-	-	111.90	✓	○

*All produced on continuous rolls, sold per metre.

Thicknesses: Other sizes up to 100mm, available on application.

		2000 x 1000mm	3000 x 610mm
Sheet Tolerances	Length (mm)	(0.00 / +60.00)	(0.00 / +90.00)
	Width (mm)	(0.00 / +40.00)	(0.00 / +24.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.
○ Items available on application, minimum quantity may apply.
- Items are not available.

Nylon 6 rod

Nylon 6 rod | extruded

Natural | Black

Diameter (mm)	Tolerance (mm)	kg/mtr	Natural	Black
5	(+0.10 / +0.60)	0.03	●	○
6	(+0.10 / +0.60)	0.04	✓	○
8	(+0.10 / +0.70)	0.06	✓	○
10	(+0.10 / +0.70)	0.09	✓	○
12	(+0.20 / +0.80)	0.14	✓	✓
15	(+0.20 / +0.80)	0.22	✓	○
16	(+0.20 / +0.80)	0.25	✓	●
20	(+0.20 / +0.80)	0.38	✓	✓
22	(+0.20 / +1.00)	0.46	○	○
25	(+0.20 / +1.00)	0.60	✓	✓
28	(+0.20 / +1.00)	0.74	○	○
30	(+0.20 / +1.00)	0.85	✓	✓
32	(+0.20 / +1.20)	0.97	✓	○
36	(+0.20 / +1.20)	1.22	✓	✓
40	(+0.20 / +1.20)	1.50	✓	✓
45	(+0.30 / +1.30)	1.91	✓	✓
50	(+0.30 / +1.30)	2.34	✓	✓

Standard lengths: 5 - 150mm = 3000mm
150 - 200mm = 1000mm.

Diameters: Other sizes up to 320mm, available on application.

Length Tolerance (mm)	(-0.00% / +3.00%)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.

○ Items available on application, minimum quantity may apply.

Nylon 6 rod

Nylon 6 rod | extruded
Natural | Black

Diameter (mm)	Tolerance (mm)	kg/mtr	Natural	Black
56	(+0.30 / +1.30)	2.93	✓	●
60	(+0.30 / +1.60)	3.38	✓	✓
65	(+0.30 / +1.60)	3.95	✓	O
70	(+0.30 / +1.60)	4.57	✓	✓
75	(+0.40 / +2.00)	5.27	✓	✓
80	(+0.40 / +2.00)	5.99	✓	✓
90	(+0.50 / +2.20)	7.58	✓	✓
100	(+0.60 / +2.50)	9.37	✓	✓
110	(+0.70 / +3.00)	11.37	✓	O
120	(+0.80 / +3.50)	13.56	O	O
130	(+0.90 / +3.80)	15.92	O	O
140	(+0.90 / +3.80)	18.41	O	O
150	(+1.00 / +4.20)	21.16	✓	●
165	(+1.20 / +5.00)	25.68	O	O
180	(+1.30 / +5.00)	30.47	O	O
200	(+1.30 / +5.50)	37.60	O	O

Standard lengths: 5 - 150mm   =   3000mm
                        150 - 200mm   =   1000mm.

Diameters: Other sizes up to 320mm, available on application.

Length Tolerance (mm)	(-0.00% / +3.00%)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.
O Items available on application, minimum quantity may apply.

Nylon 66 | material information

Nylon 66

Product full identity:
Nylon 66 / Polyamide 66 (PA 66)

Nylon 66 has a higher mechanical strength, stiffness, heat and wear resistance than standard 6. It also has a better creep resistance, however, its impact strength and mechanical damping ability are lower.

Properties

- High strength and stiffness
- High wear and creep resistance
- Wide temperature range (+95 to -30°C)
- Dimension stability and electrical properties
- Food contact approved
- Easily machined.

Applications

- Gears
- Bushes
- Washers
- Applications that require wear resistance.

Forms

Sheet   Rod

Nylon 66 sheet

Nylon 66 sheet | extruded

Natural

Thickness (mm)	Tolerance (mm)	2000 x 1000mm	
		kg/ea	Natural
2	(-0.15 / +0.15)	4.74	✓
2.5	(-0.20 / +0.20)	5.92	●
3	(-0.20 / +0.20)	7.12	✓
4	(-0.20 / +0.20)	9.48	✓
5	(-0.25 / +0.25)	11.86	✓
6	(-0.25 / +0.25)	14.24	✓
8	(+0.20 / +1.10)	20.52	○

Nylon 66 sheet | extruded

Natural

Thickness (mm)	Tolerance (mm)	3000 x 610mm	
		kg/ea	Natural
8	(+0.20 +1.10)	18.48	✓
10	(+0.20 / +1.10)	23.19	✓
12	(+0.30 / +1.50)	28.02	✓
15	(+0.30 / +1.50)	34.50	✓
20	(+0.30 / +1.50)	45.45	✓
25	(+0.30 / +1.50)	56.25	✓
30	(+0.50 / +2.50)	68.40	✓
35	(+0.5/ +2.50)	79.80	✓
40	(+0.50 / +2.50)	90.15	✓
50	(+0.50 / +2.50)	111.90	✓
60	(+0.50 / +3.50)	133.80	✓

Thicknesses: Other sizes up to 100mm, available on application
Colour: Black available on application.

Sheet Tolerances		2000 x 1000mm	3000 x 610mm
	Length (mm)	(0.00 / +60.00)	(0.00 / +90.00)
	Width (mm)	(0.00 / +40.00)	(0.00 / +24.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.

Nylon 66 rod

Nylon 66 rod | extruded

Natural | Black

Diameter (mm)	Tolerance (mm)	kg/mtr	Natural	Black
6	(+0.10 / +0.40)	0.04	✓	O
8	(+0.10 / +0.50)	0.07	O	O
10	(+0.10 / +0.70)	0.10	✓	O
12	(+0.20 / +0.80)	0.14	✓	O
16	(+0.20 / +0.80)	0.25	✓	O
20	(+0.20 / +0.80)	0.38	✓	✓
25	(+0.20 / +1.00)	0.60	✓	✓
30	(+0.20 / +1.00)	0.85	✓	✓
32	(+0.20 / +1.20)	0.97	O	O
36	(+0.20 / +1.20)	1.22	✓	✓
40	(+0.20 / +1.20)	1.50	✓	✓
45	(+0.30 / +1.30)	1.91	✓	O
50	(+0.30 / +1.30)	2.34	✓	✓
56	(+0.30 / +1.30)	2.93	O	O

Standard lengths: 6 - 150mm = 3000mm
160 - 200mm = 1000mm.
Diameters: Other sizes up to 250mm, available on application.

Black Nylon 66 + GF30 available in selected sizes, please call for availability.

Length Tolerance (mm)	(-0.00% / +3.00%)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply.

Nylon 66 rod

Nylon 66 rod | extruded

Natural | Black

Diameter (mm)	Tolerance (mm)	kg/mtr	Natural	Black
60	(+0.30 / +1.60)	3.38	✓	✓
65	(+0.30 / +1.60)	3.95	O	O
70	(+0.30 / +1.60)	4.57	✓	O
75	(+0.40 / +2.00)	5.27	O	O
80	(+0.40 / +2.00)	5.99	O	O
90	(+0.50 / +2.20)	7.58	O	O
100	(+0.60 / +2.50)	9.37	✓	O
110	(+0.70 / +3.00)	11.37	✓	O
120	(+0.80 / +3.50)	13.56	O	O
130	(+0.90 / +3.80)	15.92	O	O
140	(+0.90 / +3.80)	18.41	✓	O
150	(+1.00 / +4.20)	21.16	O	O
165	(+1.20 / +5.00)	25.68	O	O
180	(+1.20 / +5.00)	30.47	O	O
200	(+1.30 / +5.50)	37.60	O	O

Standard lengths: 6 - 150mm   =   3000mm
160 - 200mm   =   1000mm.

Diameters: Other sizes up to 250mm, available on application.

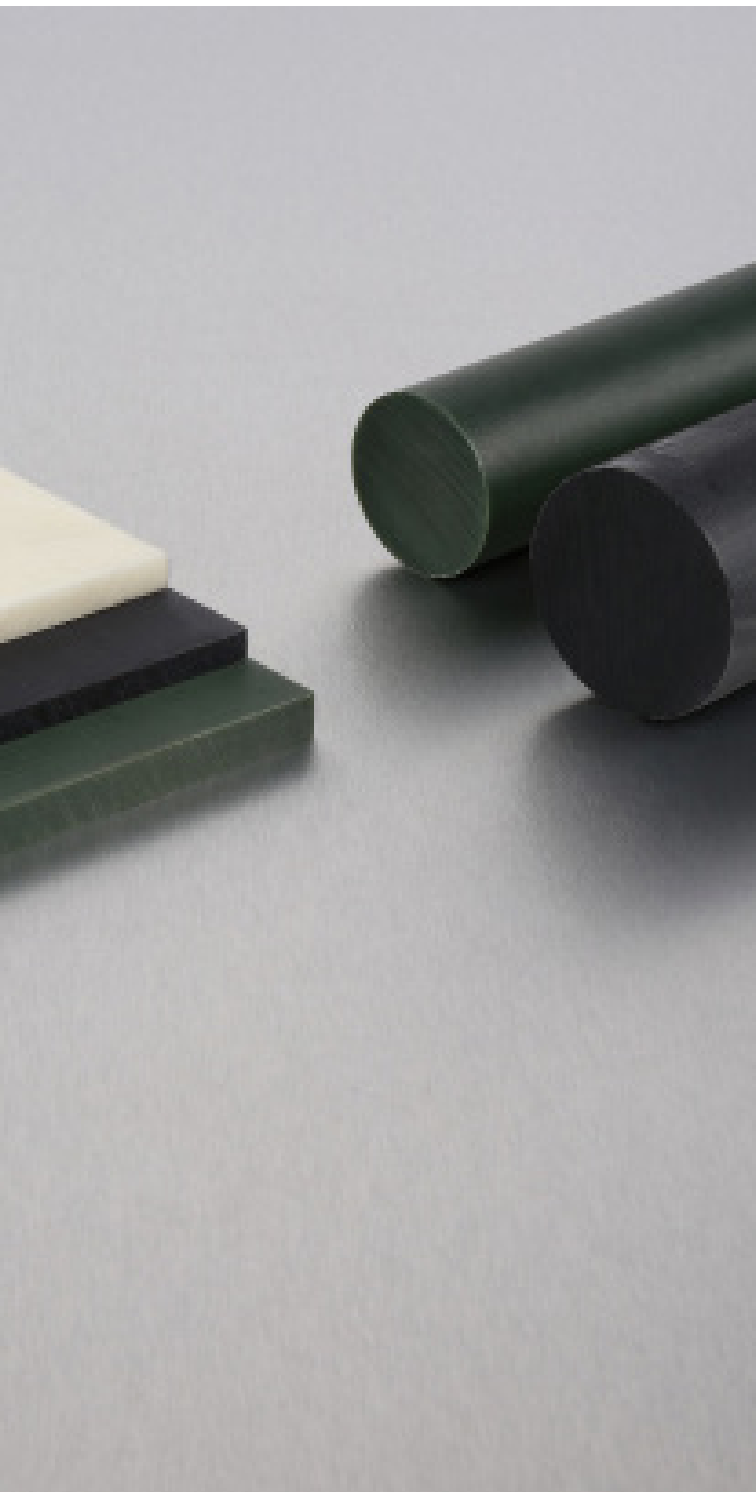**Black Nylon 66 + GF30 available in selected sizes, please call for availability.**

Length Tolerance (mm)	(-0.00% / +3.00%)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply.

Nylon 6 cast | material information

Nylon 6 cast

Product full identity:
Nylon 6 / Polyamide 6 (PA 6)

Nylon 6 cast is stress-relieved and has improved properties when compared to nylon 6 extruded. It offers high mechanical strength, stiffness and hardness. Nylon 6 cast also has good wear resistance, heat aging properties and machinability.

Properties

- High strength and stiffness
- High wear and heat resistance
- Good temperature range (+105 to -30°C)
- Good creep resistance
- Higher wear and heat resistance
- Easily machined.

Applications

- Gears
- Bushes
- Washers
- Applications that requires wear resistance.

Forms

Sheet   Rod

Nylon 6 sheet

Nylon 6 sheet | cast

Natural | Black

Thickness (mm)	Tolerance (mm)	kg/ea	3050 x 1220mm Natural	Black
10	(+0.50 / +2.50)	51.40	✓	✓
12	(+0.50 / +2.50)	60.29	✓	✓
16	(+0.50 / +2.50)	78.13	✓	✓
20	(+0.50 / +2.50)	96.03	✓	✓
25	(+0.50 / +2.50)	118.35	✓	✓
30	(+0.50 / +3.00)	142.44	✓	✓
35	(+0.50 / +3.00)	164.81	✓	✓
40	(+0.50 / +3.00)	187.48	✓	✓
45	(+0.50 / +3.00)	209.44	✓	✓
50	(+0.50 / +3.00)	231.81	✓	✓
55	(+0.50 / +3.50)	256.92	O	O
60	(+0.50 / +3.50)	279.29	✓	✓
70	(+0.50 / +4.50)	323.93	✓	✓
80	(+0.50 / +4.50)	368.56	✓	✓
100	(+0.50 / +4.50)	457.83	✓	✓

Thickness: Other sizes, available on application
Width: 1000mm available on application.

Sheet Tolerances		2000 x 1220mm
	Length (mm)	(+10.00 / +30.00)
	Width (mm)	(+10.00 / +20.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.

O Items available on application, minimum quantity may apply.

Nylon 6 rod

Nylon 6 rod | cast

Natural | Black

Diameter (mm)	Tolerance (mm)	kg/mtr	Natural	Black
50	(+0.50 / +1.50)	2.40	✓	✓
56	(+0.50 / +1.50)	2.99	✓	✓
60	(+0.50 / +1.80)	3.44	✓	✓
65	(+0.50 / +1.80)	4.03	✓	O
70	(+0.50 / +1.80)	4.66	✓	✓
75	(+0.70 / +2.30)	5.39	✓	✓
80	(+0.70 / +2.30)	6.12	✓	✓
85	(+1.00 / +2.70)	6.95	✓	✓
90	(+1.00 / +2.70)	7.77	✓	✓
100	(+1.00 / +2.90)	9.57	✓	✓
110	(+1.00 / 3.30)	11.58	✓	✓
120	(+1.10 / +3.80)	13.81	O	O
125	(+1.10 / +3.80)	14.96	✓	O
130	(+1.20 / +4.10)	16.20	✓	✓
135	(+1.20 / +4.10)	17.60	O	O
140	(+1.20 / +4.10)	18.74	✓	✓
150	(+1.30 / +4.50)	21.53	✓	✓

Standard lengths: 5 - 150mm   =   3000mm.

Diameters 160-500mm: see page 92.

Length Tolerance (mm)	(-0.00% / +3.00%)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
O Items available on application, normally within 7 days.

Nylon 6 rod

Nylon 6 rod | cast
Natural | Black

Diameter (mm)	Tolerance (mm)	kg/mtr	Natural	Black
160	(+0.20 / +7.00)	24.90	✓	✓
170	(+0.20 / +7.00)	28.05	✓	✓
180	(+0.20 / +7.00)	31.35	✓	✓
190	(+0.20 / +7.00)	34.85	O	O
200	(+0.20 / +7.00)	38.50	✓	✓
210	(+0.30 / +7.00)	42.95	O	O
220	(+0.30 / +9.00)	47.05	✓	O
230	(+0.30 / +9.00)	51.30	●	✓
240	(+0.30 / +9.00)	55.70	✓	O
250	(+0.30 / +9.00)	60.35	✓	✓
260	(+0.30 / +9.00)	65.15	●	✓
270	(+0.30 / +9.00)	70.15	O	O
280	(+0.30 / +9.00)	75.30	✓	✓
290	(+0.30 / +9.00)	80.65	O	O
300	(+0.30 / +9.00)	86.20	✓	✓
325	(+4.00 / +11.00)	101.80	O	O
350	(+4.00 / +11.00)	117.70	O	O
375	(+4.00 / +11.00)	134.70	O	O
400	(+4.00 / +11.00)	152.90	O	O
425	(+5.00 / +13.00)	173.40	O	O
450	(+5.00 / +13.00)	194.00	O	O
475	(+5.00 / +13.00)	215.70	O	O
500	(+5.00 / +13.00)	238.50	O	O

Standard lengths: 160 - 500mm   =   1000mm.

Length Tolerance (mm)	(-0.00% / +3.00%)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.
O Items available on application, minimum quantity may apply.

Nylon 6 GSM sheet

Nylon 6 GSM sheet | cast

Dark Grey

Thickness (mm)	Tolerance (mm)	2000 x 1220mm	
		kg/ea	Dark grey
10	(+0.50 / +2.50)	33.30	✓
12	(+0.50 / +2.50)	39.05	✓
16	(+0.50 / +2.50)	50.65	✓
20	(+0.50 / +2.50)	62.20	✓
25	(+0.50 / +2.50)	76.70	✓
30	(+0.50 / +3.00)	92.25	✓
35	(+0.50 / +3.00)	106.70	✓
40	(+0.50 / +3.00)	121.20	✓
45	(+0.50 / +3.00)	135.60	✓
50	(+0.50 / +3.00)	150.10	✓
55	(+0.50 / +3.50)	166.40	O
60	(+0.50 / +3.50)	180.90	✓
70	(+0.50 / +4.50)	209.80	✓
80	(+0.50 / +4.50)	238.70	✓
100	(+0.50 / +4.50)	296.60	✓

		2000 x 1220mm
Sheet Tolerances	Length (mm)	(+10.00 / +30.00)
	Width (mm)	(+10.00 / +20.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.

O Items available on application, minimum quantity may apply.

Nylon 6 GSM rod

Nylon 6 GSM rod | cast
Dark grey

Diameter (mm)	Tolerance (mm)	kg/mtr	Dark grey
50	(+0.50 / +1.50)	2.40	✓
56	(+0.50 / +1.50)	3.00	✓
60	(+0.50 / +1.80)	3.46	✓
65	(+0.50 / +1.80)	4.05	✓
70	(+0.50 / +1.80)	4.68	✓
75	(+0.70 / +2.30)	5.41	✓
80	(+0.70 / +2.30)	6.14	✓
85	(+1.00 / +2.70)	6.98	✓
90	(+1.00 / +2.70)	7.80	✓
100	(+1.00 / +2.90)	9.61	✓
110	(+1.00 / +3.30)	11.63	✓
120	(+1.10 / +3.80)	13.85	✓
125	(+1.10 / +3.80)	15.00	◯
130	(+1.10 / +4.10)	16.27	✓
135	(+1.20 / +4.10)	17.52	◯
140	(+1.10 / +4.10)	18.82	✓
150	(+1.30 / +4.50)	21.62	✓
160	(+0.20 / +7.00)	25.00	◯
170	(+0.20 / +7.00)	28.15	◯
180	(+0.20 / +7.00)	31.50	◯
190	(+0.20 / +7.00)	35.00	◯
200	(+0.20 / +7.00)	38.65	✓
210	(+0.30 / +9.00)	43.15	◯
220	(+0.30 / +9.00)	47.25	✓
230	(+0.30 / +9.00)	51.50	✓
240	(+0.30 / +9.00)	55.95	◯
250	(+0.30 / +9.00)	60.60	✓
260	(+0.30 / +9.00)	65.45	✓
270	(+0.30 / +9.00)	70.45	◯
280	(+0.30 / +9.00)	75.65	✓
290	(+0.30 / +9.00)	81.00	◯
300	(+0.30 / +9.00)	86.60	✓

Standard lengths: 50 - 150mm = 3000mm
160 - 300mm = 1000mm.

Diameters: Up to 500mm, available on application.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.
◯ Items available on application, minimum quantity may apply.

Nylon 6 LFX sheet

Nylon 6 LFX sheet | cast

Green

Thickness (mm)	Tolerance (mm)	3050 x 1220mm	
		kg/ea	Green
10	(+0.50 / +2.50)	49.85	✓
12	(+0.50 / +2.50)	58.55	✓
16	(+0.50 / +2.50)	75.85	✓
20	(+0.50 / +2.50)	93.25	✓
25	(+0.50 / +2.50)	114.90	✓
30	(+0.50 / +3.00)	138.20	✓
35	(+0.50 / +3.00)	160.00	O
40	(+0.50 / +3.00)	181.60	✓
45	(+0.50 / +3.00)	203.30	O
50	(+0.50 / +3.00)	224.90	✓
55	(+0.50 / +3.50)	249.30	O
60	(+0.50 / +3.50)	271.00	O
70	(+0.50 / +4.50)	314.50	O
80	(+0.50 / +4.50)	357.80	O
100	(+0.50 / +4.50)	444.50	O

Width: 1000mm width available on application.

Sheet Tolerances		3050 x 1220mm
	Length (mm)	(+20.00 / +40.00)
	Width (mm)	(+10.00 / +20.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.

O Items available on application, minimum quantity may apply.

Nylon 6 LFX rod

Nylon 6 LFX rod | cast

Green

Diameter (mm)	Tolerance (mm)	kg/mtr	Green
50	(+0.50 / +1.50)	2.37	✓
56	(+0.50 / +1.50)	2.95	O
60	(+0.50 / +1.80)	3.40	✓
65	(+0.50 / +1.80)	3.98	✓
70	(+0.50 / +1.80)	4.60	✓
75	(+0.70 / +2.30)	5.32	✓
80	(+0.70 / +2.30)	6.04	✓
85	(+1.00 / +2.70)	6.97	O
90	(+1.00 / +2.70)	7.67	✓
100	(+1.00 / +2.90)	9.45	✓
110	(+1.00 / +3.30)	11.43	✓
120	(+1.10 / +3.80)	13.65	✓
125	(+1.10 / +3.80)	14.75	✓
130	(+1.10 / +4.10)	15.99	✓
135	(+1.20 / +4.10)	17.22	O
140	(+1.10 / +4.10)	18.50	✓
150	(+1.30 / +4.50)	21.25	✓
160	(+0.20 / +7.00)	24.60	O
170	(+0.20 / +7.00)	27.65	O
180	(+0.20 / +7.00)	30.95	●
190	(+0.20 / +7.00)	34.40	O
200	(+0.20 / +7.00)	38.00	✓
210	(+0.30 / +9.00)	42.40	O
220	(+0.30 / +9.00)	46.40	✓
230	(+0.30 / +9.00)	50.60	O
240	(+0.30 / +9.00)	55.00	O
250	(+0.30 / +9.00)	59.55	✓
260	(+0.30 / +9.00)	64.30	O
270	(+0.30 / +9.00)	69.25	O
280	(+0.30 / +9.00)	74.35	O
290	(+0.30 / +9.00)	79.60	O
300	(+0.30 / +9.00)	85.10	✓

Length Tolerance (mm)	(-0.00% / +3.00%)

Standard lengths: 50 - 150mm = 3000mm
160 - 300mm = 1000mm.

All tolerances measured @ 20°C.

Diameters: Up to 500mm, available on application.

✓ Items are normally stocked.

O Items available on application, minimum quantity may apply.

PET | material information

PET

Product full identity:
Polyethylene Terephthalate (PETP)

PET offers specific properties, such as excellent dimensional stability which makes this material perfect for the manufacture of mechanical precision parts. PET can also resist high loads and wear conditions.

Properties

- Excellent dimensional stability
- Very good creep resistance
- High strength, stiffness and hardness
- Wide temperature range (+115 to -20°C)
- Low coefficient of friction
- Food contact approved.

Applications

- Engineering
- Medical and conveyor industries
- Precision parts.

Forms

Sheet   Rod

PET sheet

PET sheet | extruded

Natural

Thickness (mm)	Tolerance (mm)	2000 x 1000mm	
		kg/ea	Natural
2	(-0.15 / +0.15)	5.74	●
3	(-0.20 / +0.20)	8.60	●
4	(-0.20 / +0.20)	11.40	●
5	(-0.25 / +0.25)	14.26	●
6	(-0.25 / +0.25)	17.10	●
8	(+0.20 / +1.10)	22.80	●

Thicknesses: Other sizes available on application.

PET sheet | extruded

Natural | Black

Thickness (mm)	Tolerance (mm)	3000 x 610mm		
		kg/ea	Natural	Black
10	(+0.20 / +1.10)	28.11	✓	●
12	(+0.30 / +1.50)	34.35	✓	-
16	(+0.30 / +1.50)	42.30	✓	-
20	(+0.30 / +1.50)	55.65	✓	●
25	(+0.30 / +1.50)	68.85	✓	-
30	(+0.50 / +2.50)	83.70	✓	●
40	(+0.50 / +2.50)	110.25	✓	●
50	(+0.50 / +2.50)	136.80	✓	-
60	(+0.50 / +3.50)	164.70	●	●
80	(+0.50 / +5.00)	219.75	●	●
100	(+0.50 / +5.00)	272.85	●	-

Thicknesses: Other sizes, available on application.

Sheet Tolerances		2000 x 1000mm	3000 x 610mm
	Length (mm)	(0.00 / +60.00)	(0.00 / +90.00)
	Width (mm)	(+5.00 / +40.00)	(+3.05 / +24.40)

All tolerances measured @ 20°C.

✓ Items are normally stocked.   - Items are not available.
● Items available on application, normally within 7 days.

PET rod

PET rod | extruded

Natural | Black

Diameter (mm)	Tolerance (mm)	kg/mtr	Natural	Black
12	(+0.20 / +0.70)	0.17	O	O
16	(+0.20 / +0.70)	0.30	✓	O
20	(+0.20 / +0.70)	0.47	✓	O
25	(+0.20 / +0.90)	0.73	✓	O
30	(+0.20 / +0.90)	1.04	✓	O
36	(+0.20 / +1.10)	1.50	✓	O
40	(+0.20 / +1.10)	1.84	✓	O
45	(+0.20 / +1.30)	2.34	✓	O
50	(+0.30 / +1.30)	2.88	✓	O
56	(+0.30 / +1.30)	3.60	●	O
60	(+0.30 / +1.60)	4.15	✓	O
65	(+0.30 / +1.60)	4.85	●	O
70	(+0.30 / +1.60)	5.62	✓	O
80	(+0.40 / +2.00)	7.36	✓	●
90	(+0.50 / +2.20)	9.31	✓	O
100	(+0.60 / +2.50)	11.50	✓	O
110	(+0.70 / +3.00)	13.95	●	O
120	(+0.80 / +3.50)	16.65	✓	O
130	(+0.90 / +3.80)	19.55	✓	O
140	(+0.90 / +3.80)	22.60	●	O
150	(+1.00/ +4.20)	26.00	✓	O
160	(+1.10/ +4.50)	29.60	✓	-
180	(+1.20 / +5.00)	37.40	●	-
200	(+1.30 / +5.50)	46.15	●	-

Standard lengths: 3000mm.

Diameters: Other sizes available on application.

Length Tolerance (mm)	(-0.00% / +3.00%)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.
O Items available on application, minimum quantity may apply.

PET ZX sheet & rod

PET ZX sheet | extruded
Light grey

Thickness (mm)	Tolerance (mm)	3000 x 610mm kg/ea	Light grey	Thickness (mm)	Tolerance (mm)	3000 x 610mm kg/ea	Light grey
10	(+0.20 / +1.10)	29.40	●	40	(+0.50 / +2.50)	114.57	●
12	(+0.30 / +1.50)	35.61	●	50	(+0.50 / +2.50)	142.17	●
15	(+0.30 / +1.50)	43.89	●	60	(+0.50 / +3.50)	171.15	●
20	(+0.30 / +1.50)	57.69	●	70	(+0.50 / +3.50)	198.75	O
25	(+0.30 / +1.50)	71.49	●	80	(+0.50 / +5.00)	228.45	●
30	(+0.50 / +2.50)	86.94	●	100	(+0.50 / +5.00)	283.65	●

PET ZX: contains a solid lubricant additive.

Sheet Tolerances		3000 x 610mm
	Length (mm)	(0.00 / +90.00)
	Width (mm)	(0.00 / +24.00)

All tolerances measured @ 20°C.

PET ZX rod | extruded
Light grey

| Diameter (mm)	Tolerance (mm)	kg/mtr	Light grey	Diameter (mm)	Tolerance (mm)	kg/mtr	Light grey
10	(+0.10 / +0.70)	0.12	O	65	(+0.30 / +1.60)	5.02	O
12	(+0.20 / +0.80)	0.18	O	70	(+0.30 / +1.60)	5.82	✓
15	(+0.20 / +0.80)	0.28	O	75	(+0.40 / +2.00)	6.71	O
16	(+0.20 / +0.80)	0.31	O	80	(+0.40 / +2.00)	7.62	✓
18	(+0.20 / +0.80)	0.40	O	85	(+0.50 / +2.20)	8.62	O
20	(+0.20 / +0.80)	0.49	✓	90	(+0.50 / +2.20)	9.64	✓
22	(+0.20 / +1.00)	0.59	O	95	(+0.60 / +2.50)	10.78	O
25	(+0.20 / +1.00)	0.75	✓	100	(+0.60 / +2.50)	11.92	✓
28	(+0.20 / +1.00)	0.94	O	110	(+0.70 / +3.00)	14.46	O
30	(+0.20 / +1.00)	1.08	✓	120	(+0.80 / +3.50)	17.25	●
32	(+0.20 / +1.20)	1.24	O	125	(+0.80 / +3.50)	18.69	O
36	(+0.20 / +1.20)	1.56	O	130	(+0.90 / +3.80)	20.25	O
40	(+0.20 / +1.20)	1.91	✓	140	(+0.90 / +3.80)	23.42	O
45	(+0.30 / +1.30)	2.42	O	150	(+1.00 / +4.20)	26.92	●
50	(+0.30 / +1.30)	2.98	✓	170	(+1.20 / +5.00)	34.64	O
56	(+0.30 / +1.30)	3,73	O	180	(+1.20 / +5.00)	38.75	O
60	(+0.30 / +1.60)	4.29	✓	200	(+1.30 / +5.50)	47.82	●

Standard lengths: 3000mm.

PET ZX: contains a solid lubricant additive.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.

Length Tolerance (mm)	(-0.00% / +3.00%)

All tolerances measured @ 20°C.

O Items available on application, minimum quantity may apply.
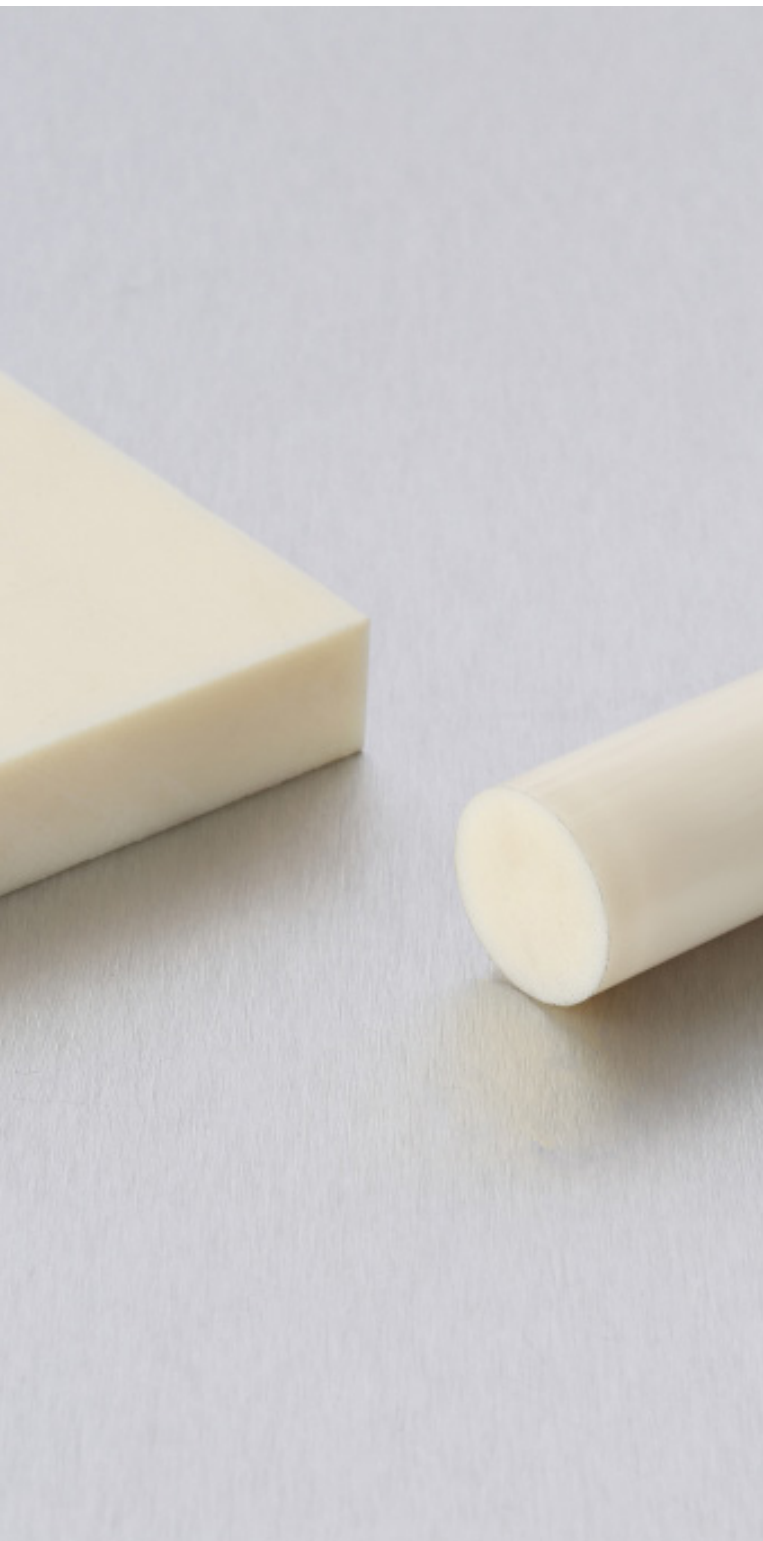
ABS

Product full identity:
Acrylonitrile Butadiene Styrene

ABS has a good thermal and dimensional stability with high impact strength, even at low temperatures. This material also has good chemical and stress resistance, as well as high rigidity and creep resistance.

Properties

- Good mechanical strength and stiffness
- Scratch resistant
- High dimensional stability
- High surface and impact strength
- Wide temperature range (+70 to -50°C)
- Food contact approved.

Applications

- Model construction
- Galvanized components
- Applications where a high impact strenght at low temperatures is requested.

Forms

Sheet   Rod

ABS sheet & rod

ABS sheet | extruded

Natural

Thickness (mm)	Tolerance (mm)	1220 x 610mm	
		kg/ea	Natural
15	(+0.30 / +2.60)	12.94	O
20	(+0.30 / +2.60)	17.21	●
25	(+0.30 / +2.60)	21.54	●
30	(+0.50 / +3.00)	25.81	●
40	(+0.50 / +5.00)	34.41	●
50	(+0.50 / +5.00)	43.01	●
60	(+0.50 / +5.00)	51.61	O
80	(+0.50 / +5.00)	68.81	O
100	(+0.50 / +5.00)	86.01	O

Sheet Tolerances		1220 x 610mm
	Length (mm)	(0.00 / +36.00)
	Width (mm)	(0.00 / +24.00)

All tolerances measured @ 20°C.

ABS rod | extruded

Natural

Diameter (mm)	Tolerance (mm)	kg/mtr	Natural
10	(+0.10 / +1.10)	0.09	●
15	(+0.10 / +1.50)	0.20	●
20	(+0.10 / +1.60)	0.36	●
30	(+0.10 / +1.70)	0.82	●
40	(+0.10 / +1.90)	1.45	●
50	(+0.10 / +2.50)	2.27	●
60	(+0.10 / +3.00)	3.27	●
80	(+0.10 / +4.20)	5.81	●
100	(+0.30 / +5.30)	9.07	●
120	(+0.30 / +5.30)	12.65	●
150	(+0.30 / +5.30)	19.80	●

Standard lengths: 1000mm.

● Items available on application, normally within 7-14 days.　　O Items available on application, minimum quantity may apply.

PVDF

Product full identity:
Polyvinylidene Fluoride

PVDF offers a wide working temperature range with high mechanical strength and stiffness. This material also offers high tensile strength, dimensional stability and wear resistance making PVDF a versatile engineering material.

Properties

- Very high temperature range (+150 to -50°C)
- Good strength and dimensional stability
- Good chemical resistance
- Fire rating - self extinguishing
- Very low moisture absorption <0.1%
- Food contact approved.

Applications

- Pumps
- Electrical insulation
- Medical parts
- Anti corrosive linings.

Forms

Sheet   Rod

PVDF sheet

PVDF sheet | extruded

Natural

Thickness (mm)	Tolerance (mm)	2000 x 1000mm		3000 x 1500mm		4000 x 2000mm	
		kg/ea	Natural	kg/ea	Natural	kg/ea	Natural
1	(-0.11 / +0.11)	3.60	✓	-	-	-	-
2	(-0.14 / +0.14)	7.20	●	16.20	O	28.70	O
3	(-0.17 / +0.17)	10.80	✓	24.20	●	43.10	O
4	(-0.20 / +0.20)	14.40	✓	32.30	●	57.50	O
5	(-0.23 / +0.23)	18.00	✓	40.40	●	71.80	O
6	(-0.26 / +0.26)	21.60	✓	48.50	●	86.20	O
8	(-0.32 / +0.32)	28.70	●	64.70	●	114.90	O
10	(-0.38 / +0.38)	35.90	✓	80.80	●	143.70	O
12	(-0.44 / +0.44)	43.10	✓	97.00	O	-	-
15	(-0.53 / +0.53)	53.90	✓	121.20	●	-	-
20	(-0.68 / +0.68)	71.80	✓	-	-	-	-

Natural PVDF polyester backed sheet: Thicknesses 1.5 to 6mm, available on application.

Sheet widths: 500 and 620mm, available on application.

✓ Items are normally stocked.

● Items available on application, normally within 7 days.

O Items available on application, minimum quantity may apply.

- Items are not available.

PVDF sheet

PVDF sheet | pressed

Natural

Thickness (mm)	Tolerance (mm)	2000 x 1000mm kg/ea	Natural		Thickness (mm)	Tolerance (mm)	2000 x 1000mm kg/ea	Natural
20	(0.00 / +3.00)	75.40	●		50	(0.00 / +6.00)	186.90	●
25	(0.00 / +5.00)	95.20	●		60	(0.00 / +6.00)	222.50	●
30	(0.00 / +5.00)	113.00	●		70	(0.00 / +8.00)	258.20	●
40	(0.00 / +5.00)	148.70	●		80	(0.00 / +8.00)	299.00	○

		2000 x 1000mm	3000 x 1500mm	4000 x 2000mm
Sheet Tolerances	Length (mm)	(-1.00 / +6.00)	(-1.00 / +8.00)	(-1.00 / +11.00)
	Width (mm)	(-1.00 / +3.00)	(-1.00 / +6.00)	(-1.00 / +8.00)

All tolerances measured @ 20°C.

● Items available on application, normally within 7-14 days.
○ Items available on application, minimum quantity may apply.

PVDF rod

PVDF rod | extruded

Natural

Diameter (mm)	Tolerance (mm)	kg/mtr	Natural
10	(+0.10 / +0.70)	0.15	✓
12	(+0.20 / +0.80)	0.22	O
15	(+0.20 / +0.80)	0.33	✓
20	(+0.20 / +0.80)	0.58	✓
25	(+0.20 / +1.00)	0.91	✓
30	(+0.20 / +1.00)	1.31	✓
35	(+0.20 / +1.20)	1.78	●
40	(+0.20 / +1.20)	2.31	✓
50	(+0.30 / +1.30)	3.61	✓
60	(+0.30 / +1.60)	5.20	✓
70	(+0.30 / +1.60)	7.04	✓
80	(+0.40 / +2.00)	9.22	✓
90	(+0.50 / +2.20)	11.67	✓
100	(+0.60 / +2.50)	14.42	✓
110	(+0.70 / +3.00)	17.49	●
125	(+0.80 / +3.50)	22.60	●
140	(+0.90 / +3.80)	28.33	●
150	(+1.00 / +4.20)	32.56	●
160	(+1.00 / +4.20)	37.05	●
180	(+1.20 / +5.00)	46.87	●
200	(+1.30 / +5.50)	57.84	●
225	(+1.50 / +6.20)	73.22	O
250	(+1.50 / +6.20)	90.10	●
300	(+1.50 / +7.50)	129.42	●
350	(+1.50 / +8.50)	175.95	●
400	(+1.50 / +9.50)	229.60	●
500	(+1.50 / +11.50)	359.02	●

Standard lengths: 10 - 100mm   =   2000mm
110 - 500mm   =   1000mm.

Length Tolerance (mm)	(-0.00% / +3.00%)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.
O Items available on application, minimum quantity may apply.

PEEK | material information

PEEK

Product full identity:
Polyetheretherketone

PEEK is a high performance, food approved material. It exhibits excellent chemical resistance, very good dielectric properties (up to +250) and a very good resistance to a wide range of radiation. PEEK is also fire rated - self extinguishing.

Properties

- Outstanding temperature range (+250 to -40°C)
- Excellent creep resistance
- Very high strength and dimensional stability
- Excellent chemical resistance
- Fire rated - self extinguishing
- Food contact approved.

Applications

- Bearings
- Piston parts
- Pump and compressor parts
- All high temperature and demanding environments.

Forms

Sheet   Rod

PEEK sheet

PEEK sheet | extruded
Natural

Thickness (mm)	Tolerance (mm)	1000 x 615mm kg/ea	Natural	3000 x 615mm kg/ea	Natural	1000 x 1000mm kg/ea	Natural	3000 x 1000mm kg/ea	Natural
5	(+0.20 / +0.70)	4.64	●	13.92	O	7.51	✓	22.53	●
6	(+0.20 / +0.70)	5.47	●	16.41	O	8.85	✓	26.55	●
8	(+0.20 / +0.90)	7.24	●	21.72	O	11.70	✓	35.10	●
10	(+0.20 / +0.90)	8.90	●	26.70	O	14.40	✓	43.20	●
12	(+0.30 / +1.50)	10.95	●	32.85	O	17.70	✓	53.10	●
16	(+0.30 / +1.50)	14.25	●	42.75	O	23.10	✓	69.30	●
20	(+0.30 / +1.50)	17.60	●	52.80	●	28.45	●	85.35	●
25	(+0.30 / +1.50)	21.75	●	65.25	●	35.20	●	105.60	●
30	(+0.50 / +2.50)	26.55	●	79.65	●	-	-	-	-
35	(+0.50 / +2.50)	30.70	●	92.10	●	-	-	-	-
40	(+0.50 / +2.50)	34.85	✓	104.55	●	-	-	-	-
45	(+0.50 / +2.50)	39.00	O	117.00	O	-	-	-	-
50	(+0.50 / +2.50)	43.15	✓	129.45	●	-	-	-	-
60	(+0.50 / +3.50)	52.00	●	156.00	●	-	-	-	-
100	(+0.50 / +5.00)	86.00	●	258.00	●	-	-	-	-

Colour: Black available on application.

Thicknesses: Other sizes available on application.

Other grades available: PEEK TX, MD, GF30, on application.

Sheet Tolerances		1000 x 610mm	3000 x 615mm	1000 x 1000mm	3000 x 1000mm
Sheet Tolerances	Length (mm)	(0.00 / +3.00)	(0.00 / +3.00)	(0.00 / +3.00)	(0.00 / +3.00)
	Width (mm)	(0.00 / +25.00)	(0.00 / +25.00)	(0.00 / +25.00)	(0.00 / +25.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply.
● Items available on application, normally within 7 days.
- Items are not available.

PEEK rod

PEEK rod | extruded

Natural

Diameter (mm)	Tolerance (mm)	kg/mtr	Natural
6	(+0.10 / +0.40)	0.04	✓
8	(+0.10 / +0.50)	0.07	✓
10	(+0.10 / +0.50)	0.11	✓
12	(+0.20 / +0.90)	0.16	✓
16	(+0.20 / +0.90)	0.29	✓
18	(+0.20 / +0.90)	0.36	●
20	(+0.20 / +0.90)	0.44	✓
25	(+0.20 / +1.20)	0.69	✓
30	(+0.20 / +1.20)	0.98	✓
32	(+0.20 / +1.20)	1.11	✓
35	(+0.20 / +1.60)	1.34	✓
40	(+0.20 / +1.60)	1.74	✓
45	(+0.30 / +2.00)	2.22	✓
50	(+0.30 / +2.00)	2.72	✓
60	(+0.30 / +2.50)	3.92	✓
65	(+0.30 / +2.50)	4.59	O
70	(+0.30 / +2.50)	5.30	✓
80	(+0.40 / +3.00)	6.94	✓
90	(+0.50 / +3.40)	8.80	✓
100	(+0.60 / +3.80)	10.85	✓
120	(+0.80 / +4.60)	15.45	●
150	(+1.00 / +5.80)	24.15	●
160	(+1.00 / +5.80)	27.45	●
180	(+1.00 / +5.80)	34.60	O
200	(+1.00 / +5.80)	42.60	●

Length Tolerance (mm)	(-0.00% / +3.00%)

Standard lengths: 5 - 100mm = 3000mm
120 - 200mm = 1000mm.

All tolerances measured @ 20°C.

Colour: Black available on application

Diameters: Other sizes available on application

Other grades available: PEEK TX, MD, GF30, on application.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.
O Items available on application, minimum quantity may apply.

Display

Established since 1969
You can trust in our experience and overall product knowledge

European suppliers
We source our materials from world leading suppliers

Extensive range
We have a comprehensive range of products available

Product development
We are continuously developing our range

Stock holding
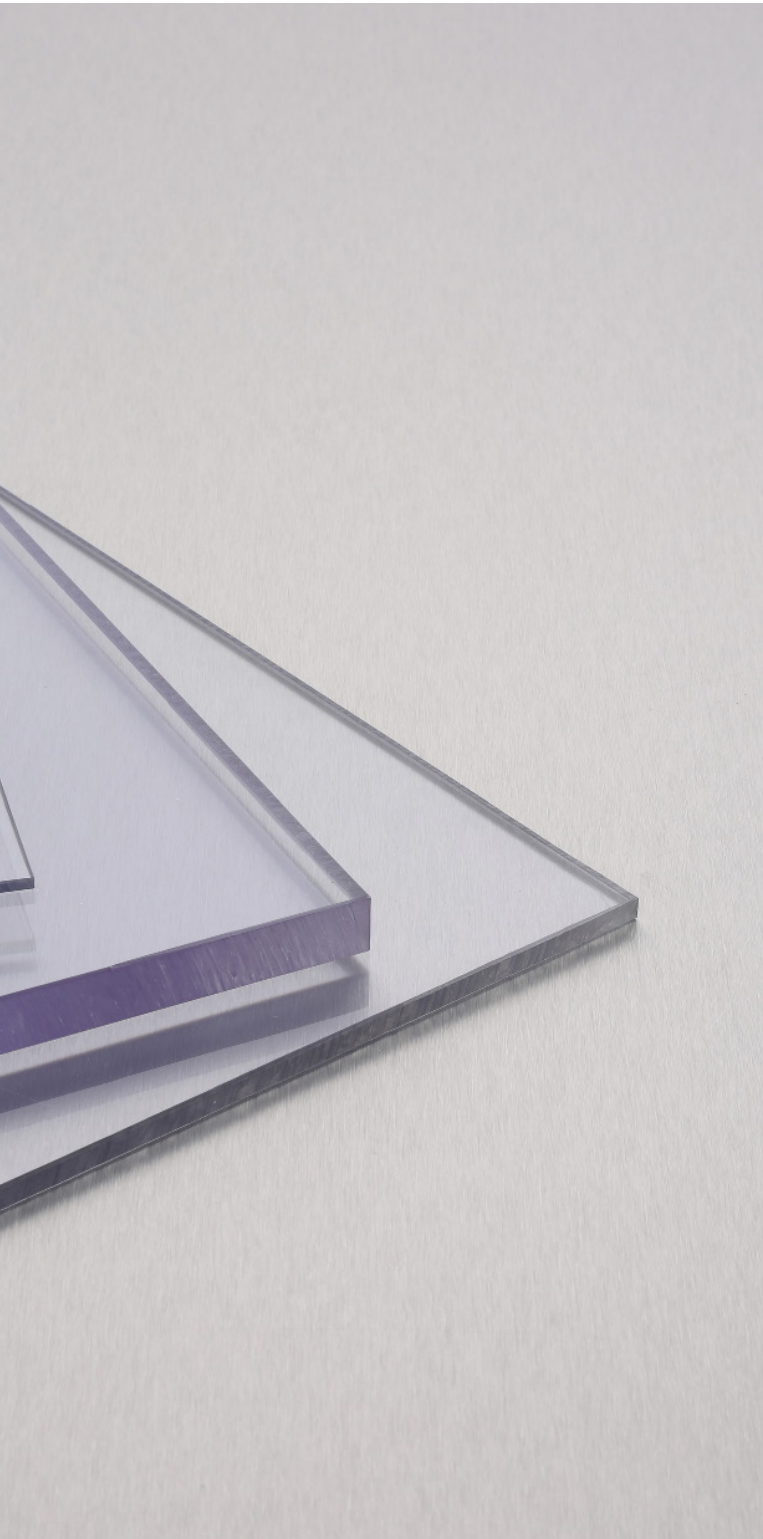Over 2500 tonnes from our extensive warehousing facilities

Product support
Our knowledgeable sales team offer quality product support

Distribution
We aim to deliver via our own fleet and always with care

Polycarbonate (PC) - Impex®

Product full identity:
Polycarbonate

PC has excellent optical properties and is virtually unbreakable in normal use. PC is easy to fabricate and shows exceptional performance with a wide operating temperature range. Other important benefits include high mechanical, thermal and electrical properties.

Properties

- Outstanding impact strength
- High temperature range (+120 to -60°C)
- High optical performance
- Easily machined and thermoformed
- Range of finishes and colours, on application.

Applications

- Industrial glazing
- Skylights
- Protective screens
- Riot shields
- Industrial equipment

Forms

Sheet

Display

Polycarbonate sheet

UV-Polycarbonate sheet - Impex® | extruded

Clear

Thickness (mm)	Tolerance (mm)	2050 x 1250mm kg/ea	Clear	2500 x 1250mm kg/ea	Clear	3050 x 2050mm kg/ea	Clear
1	(-0.10 / +0.10)	3.08	✓	-	-	-	-
1.5	(-0.15 / +0.15)	4.62	✓	-	-	-	-
2	(-0.20 / +0.20)	6.15	✓	-	-	15.01	✓
3	(-0.30 / +0.30)	9.23	✓	11.25	✓	22.51	✓
4	(-0.40 / +0.40)	12.30	✓	15.00	✓	30.02	✓
5	(-0.50 / +0.50)	15.38	✓	18.75	✓	37.52	✓
6	(-0.30 / +0.30)	18.45	✓	22.50	✓	45.02	✓
8	(-0.40 / +0.40)	24.60	✓	30.00	✓	60.03	✓
10	(-0.50 / +0.50)	30.75	✓	37.50	✓	75.03	✓
12	(-0.60 / +0.60)	36.90	✓	45.00	O	90.04	✓
15	(-0.60 / +0.60)	-	-	-	-	112.55	✓

PE-Film protection: both sides.

Colours: Grey, Bronze, Opal available on application
Haircell and Prismatic: Available on application
UV protected: 10 year warranty on all stock.

		2050 x 1250mm	2500 x 1250mm	3050 x 2050mm
Sheet Tolerances	Length (mm)	(-1.00 / +7.00)	(-1.00 / +7.00)	(-1.00 / +7.00)
	Width (mm)	(-1.00 / +5.00)	(-1.00 / +5.00)	(-1.00 / +7.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.   - Items are not available.
O Items available on application, minimum quantity may apply.
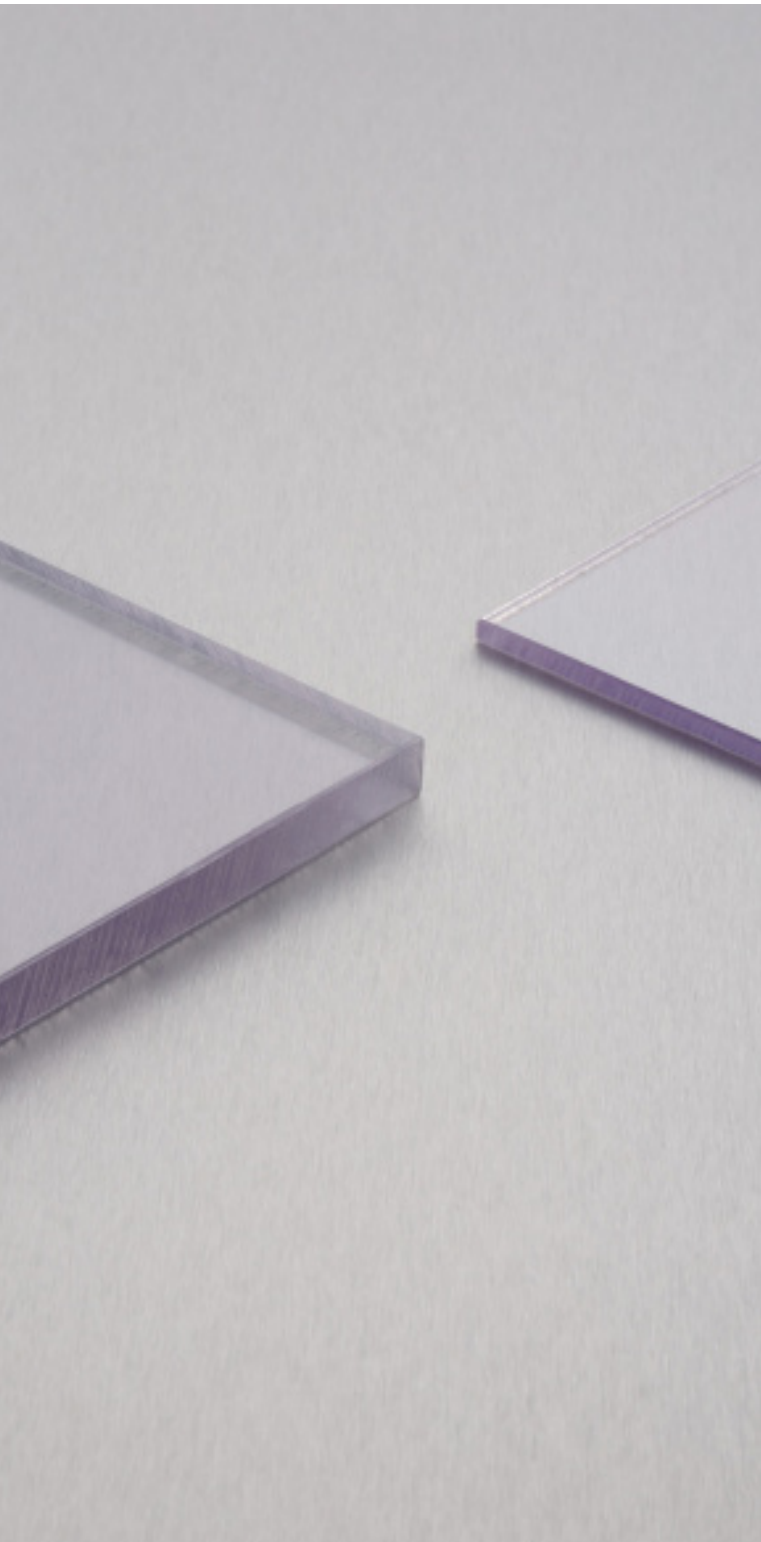
PETG - Hipex®

Product full identity:
Polyethylene Terephthalate Glycol

PETG has high impact resistance and is easy to fabricate without the need to pre-dry resulting in faster cycle times. Thermoforming and bending can be done with accuracy whist maintaining visual clarity.

Properties

- Easily machined and thermoformed
- High impact resistance
- Good temperature resistance (+65°C to -40°C)
- Good chemical resistance
- Easily glued and weldable
- Food contact approved.

Applications

- Fabricated parts
- Machine guards
- Display shelving and racking systems
- Vending machine screens
- Industrial equipment.

Forms

 Sheet

PETG sheet

PETG sheet - Hipex® | extruded

Clear

Thickness (mm)	Tolerance (mm)	2050 x 1250mm kg/ea	Clear	2500 x 1250mm kg/ea	Clear	3050 x 2050mm kg/ea	Clear
0.7	(-0.10 / +0.10)	2.28	O	-	-	-	-
1	(-0.10 / +0.10)	3.26	✓	3.97	O	7.94	O
1.5	(-0.15 / +0.15)	4.88	✓	5.96	O	11.91	●
2	(-0.20 / +0.20)	6.51	✓	7.94	✓	15.89	✓
3	(-0.15 / +0.15)	9.76	✓	11.91	✓	23.82	✓
4	(-0.20 / +0.20)	13.02	✓	15.88	✓	31.77	✓
5	(-0.25 / +0.25)	16.28	✓	19.84	✓	39.70	✓
6	(-0.30 / +0.30)	19.53	✓	23.81	✓	47.65	✓
8	(-0.40 / +0.40)	26.04	✓	31.75	✓	65.53	✓
10	(-0.50 / +0.50)	32.55	✓	39.69	✓	79.41	✓
12	(-0.60 / +0.60)	39.06	✓	47.63	O	95.29	●
15	(-0.75 / +0.75)	48.82	✓	59.54	O	119.11	●

PE-Film protection: both sides
PETG: is UV stable.

Colours: Opal available on application
Haircell and Prismatic: Available on application
UV protected: Available on application.

A-PET sheet | extruded

Clear

Thickness (mm)	Tolerance (mm)	2050 x 1250mm kg/ea	Clear
0.5	(-0.10 / +0.10)	1.63	O

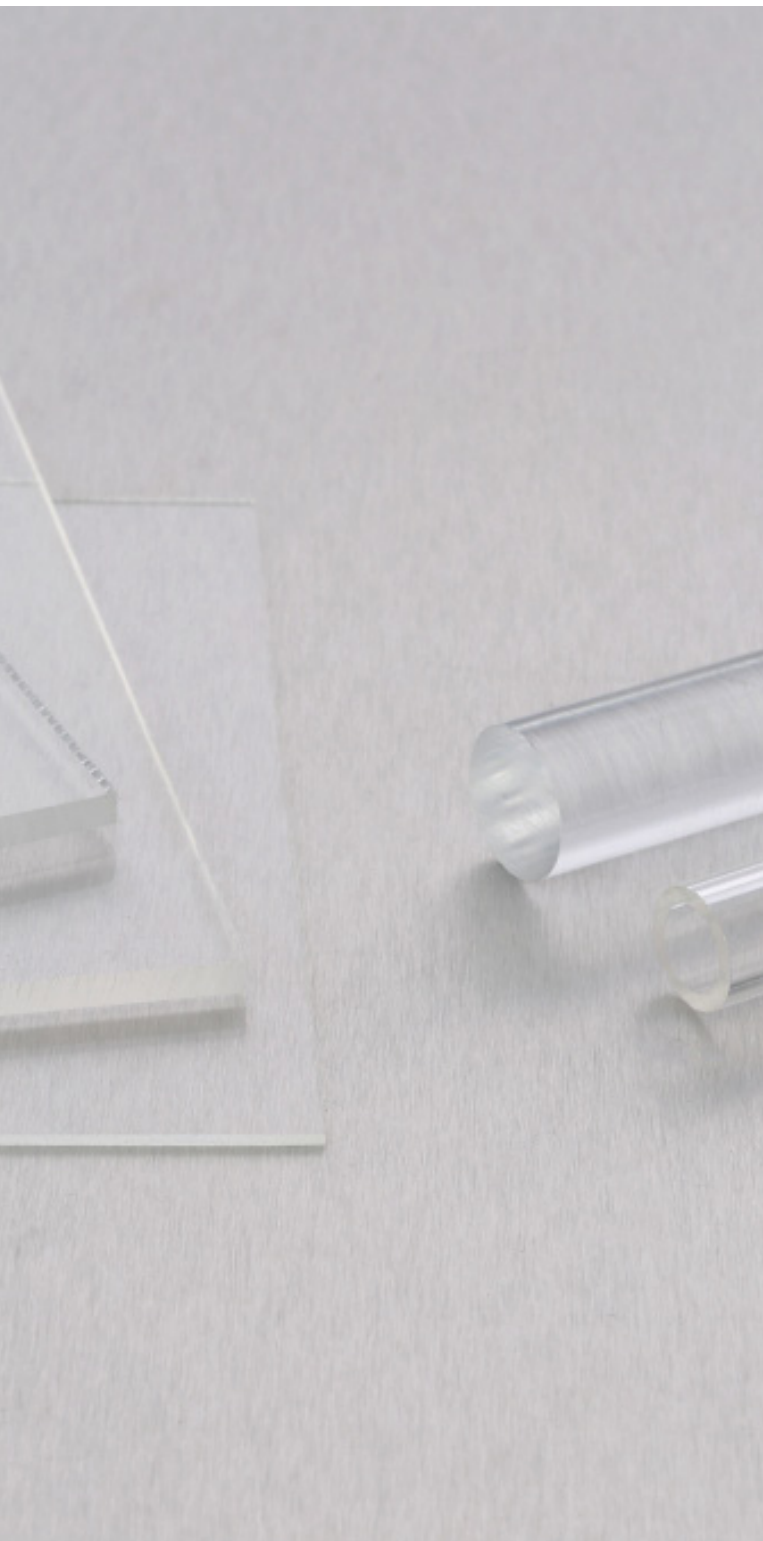|		2050 x 1250mm	2500 x 1250mm	3050 x 2050mm
Sheet Tolerances	**Length (mm)**	(-1.00 / +7.00)	(-1.00 / +7.00)	(-1.00 / +7.00)
	Width (mm)	(-1.00 / +5.00)	(-1.00 / +5.00)	(-1.00 / +7.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.
O Items available on application, minimum quantity may apply.
- Items are not available.

Acrylic - Akrylon® Crylux®

Product full identity:
Polymethyl Methacrylate (PMMA)

Acrylic is the alternative to glass with the added advantages of being lighter and many times stronger. Acrylic can be used in a diverse range of applications due to it's excellent optical and hardwearing properties.

Properties

- Excellent optical clarity
- Six times stronger than glass
- Good temperature resistance (+70°C to -40°C)
- High UV resistance
- Easily machined and thermoformed
- Easily glued and polished.

Applications

- Ideal for lighting products
- Point of sale screens
- Partitions and shop outfitting.

Forms

Sheet   Rod

Square bar   Tube

Acrylic sheet

Acrylic sheet - Akrylon® | extruded

Clear   (PE-Protection both sides)

Thickness (mm)	Tolerance (mm)	3050 x 2050mm	
		kg/ea	Clear
2	(-0.20 / +0.20)	14.88	✓
3	(-0.20 / +0.20)	22.32	✓
4	(-0.20 / +0.20)	29.76	✓
5	(-0.25 / +0.25)	37.20	✓
6	(-0.30 / +0.30)	44.64	✓
8	(-0.40 / +0.40)	59.52	✓
10	(-0.50 / +0.50)	74.41	✓
12	(-0.50 / +0.50)	89.29	✓
15	(-0.60 / +0.60)	111.61	✓
20	(-0.60 / +0.60)	148.81	●
25	(-0.60 / +0.60)	186.00	●

Availability: 50% hi-impact acrylic available on application +25%.

Colours: Other colours available on application.

		3050 x 2050mm
Sheet Tolerances	Length (mm)	(-1.00 / +7.00)
	Width (mm)	(-1.00 / +7.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.

Acrylic sheet

Acrylic sheet - Crylux® | cast

Clear (PE-Protection both sides) | White | Black

Thickness (mm)	Tolerance (mm)	kg/ea	3050 x 2030mm Clear/ea	White/ea	Black/ea
2	(-0.50 / +0.50)	14.88	●	○	○
2.5	(-0.50 / +0.50)	18.60	○	○	○
3	(-0.50 / +0.50)	22.32	●	●	●
4	(-0.50 / +0.50)	29.76	●	●	●
5	(-0.50 / +0.50)	37.20	●	●	●
6	(-0.60 / +0.60)	44.64	●	●	●
8	(-0.70 / +0.70)	59.52	●	●	●
10	(-0.80 / +0.80)	74.41	●	●	●
12	(-0.80 / +0.80)	89.29	●	○	○
15	(-0.90 / +0.90)	111.61	●	○	○
20	(-1.00 / +1.00)	148.81	●	○	○
25	(-1.50 / +1.50)	186.00	●	○	○
30	(-1.80 / +1.80)	223.00	●	○	○
35	(-1.80 / +1.80)	260.40	●	○	○

Clear: Up to 100mm available on application.

		3050 x 2030mm
Sheet Tolerances	Length (mm)	(-0.00 / +9.00)
	Width (mm)	(-0.00 / +9.00)

All tolerances measured @ 20°C.

● Items available on application, normally within 7 days.
○ Items available on application, minimum quantity may apply.
- Items are not available.

Acrylic sheet

Acrylic sheet

Opals   (PE-Protection both sides)

Thickness (mm)	Tolerance (mm)	3050 x 2030mm	
		kg/ea	Opals/ea
3	(-0.50 / +0.50)	22.32	●
4	(-0.50 / +0.50)	29.76	●
5	(-0.50 / +0.50)	37.20	●
6	(-0.60 / +0.60)	44.64	●
8	(-0.70 / +0.70)	59.52	●
10	(-0.80 / +0.80)	74.41	●
12	(-0.80 / +0.80)	89.29	○
15	(-0.90 / +0.90)	111.61	○
20	(-1.00 / +1.00)	148.81	○
25	(-1.50 / +1.50)	186.00	○
30	(-1.80 / +1.80)	223.00	○

Opal Range: ICE White (2000) - 74% LT
ICE White (2013) - 68% LT
White (4000) - 41% LT
White (4005) - 37% LT
White (4018) - 52% LT
White (4029) - 30% LT

Acrylic sheet

LED Opals   (PE-Protection both sides)

Thickness (mm)	Tolerance (mm)	3050 x 2030mm	
		kg/ea	LED Opals/ea
3	(-0.50 / +0.50)	22.32	●

Thickness: Up to 30mm available on application.

● Items available on application, normally within 7 days.

Acrylic rod & square bar
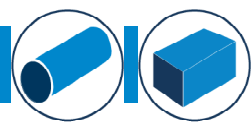
Acrylic rod | extruded

Clear (PE-Protection both sides)

Diameter (mm)	Tolerance (mm)	kg/mtr	Pack quantity	Clear
5	(-0.20 / +0.20)	0.03	20	●
6	(-0.20 / +0.20)	0.04	20	●
8	(-0.20 / +0.20)	0.07	10	●
10	(-0.40 / +0.40)	0.10	10	●
12	(-0.40 / +0.40)	0.14	1	●
15	(-0.40 / +0.40)	0.23	1	●
18	(0.00 / +0.40)	0.32	1	●
20	(0.00 / +0.40)	0.40	1	●
25	(0.00 / +0.60)	0.62	1	●
30	(0.00 / +1.20)	0.90	1	●
35	(0.00 / +1.20)	1.17	1	●

Diameter (mm)	Tolerance (mm)	kg/mtr	Pack quantity	Clear
40	(0.00 / +1.20)	1.53	1	●
50	(0.00 / +1.40)	2.33	1	●
60	(0.00 / +1.40)	3.59	1	●
70	(0.00 / +1.40)	4.87	1	●
75	(0.00 / +1.40)	5.64	1	●
80	(0.00 / +1.40)	6.42	1	●
90	(0.00 / +1.40)	7.70	1	●
100	(0.00 / +1.40)	9.50	1	●
120	(0.00 / +1.50)	13.60	1	●
150	(0.00 / +1.50)	21.00	1	●
200	(0.00 / +1.50)	37.00	1	●

Standard lengths: 5 - 120mm = 2000mm
150 - 200mm = 1000mm.

Quantities: Sold as pack quantities only.

Acrylic square bar | extruded

Clear (PE-Protection)

Size (mm)	Tolerance (mm)	kg/mtr	Pack quantity	Clear
10 x 10	(0.00 / +0.75)	0.12	1	●
15 x 15	(0.00 / +0.75)	0.27	1	●
20 x 20	(0.00 / +1.00)	0.48	1	●
30 x 30	(0.00 / +1.30)	1.15	1	●

Standard lengths: 2000mm.

Quantities: Sold as pack quantities only.

Key:
Size = Outside diameter x Inside diameter.

● Items available on application, normally within 7-14 days.

Acrylic tube

Acrylic tube | extruded
Clear

Size (mm)	kg/mtr	Pack quantity	Clear
8 x 4	0.05	10	●
10 x 7	0.05	10	●
10 x 6	0.06	10	●
12 x 8	0.08	10	●
13 x 10	0.07	10	●
15 x 11	0.10	10	●
16 x 12	0.11	10	●
20 x16	0.14	10	●
20 x 14	0.20	10	●
25 x 21	0.18	5	●
25 x 19	0.26	5	●
30 x 26	0.22	5	●
30 x 24	0.32	5	●
30 x 20	0.50	5	●
38 x 32	0.42	1	●
40 x 36	0.30	1	●
40 x 34	0.44	1	●
40 x 32	0.57	1	●
40 x 30	0.69	1	●
50 x 46	0.38	1	●
50 x 44	0.56	1	●
50 x 42	0.73	1	●
50 x 40	0.89	1	●
60 x 56	0.46	1	●

Size (mm)	kg/mtr	Pack quantity	Clear
60 x 54	0.68	1	●
60 x 52	0.89	1	●
60 x 50	1.09	1	●
70 x 64	0.80	1	●
70 x 60	1.29	1	●
80 x 74	0.92	1	●
80 x 70	1.49	1	●
90 x 84	1.04	1	●
90 x 80	1.68	1	●
100 x 94	1.15	1	●
100 x 90	1.89	1	●
110 x 104	1.27	1	●
110 x 100	2.08	1	●
120 x 114	1.39	1	●
120 x110	2.28	1	●
134 x 128	1.56	1	●
134 x 124	2.56	1	●
150 x 144	1.67	1	●
150 x 140	2.87	1	●
180 x 172	2.79	1	●
200 x 194	2.34	1	●
200 x 192	3.11	1	●
200 x190	3.81	1	●
250 x 240	4.86	1	●

Standard lengths: 2000mm.

Quantities: Sold as pack quantities only.

Key:
Size = Outside diameter x Inside diameter.

● Items available on application, normally within 7-14 days.

uPVC foam

Product full identity:
Unplasticised Polyvinyl Chloride - foam

uPVC foam is rated self-extinguishing, lightweight, durable, versatile and is fire rated self-extinguishing. Combinedwith low sound and thermal conductivity,uPVC foam is ideal for use in advertising, sign-making and construction.

Properties

• Lightweight
• Excellent surface structures for printing
• Accepts print, paint, adhesive, etc
• Easily glued, cut and shaped
• Fire rated - self extinguishing.

Applications

• Screen
• Digital & UV printing
• Exhibition stands & displays
• Vinyl labelling
• Laminating.

Forms

Sheet

uPVC foam sheet

uPVC foam sheet | **easy use** | extruded
White (PE-Protection)

Thickness (mm)	Tolerance (mm)	2440 x 1220mm kg/ea	White	3050 x 1560mm kg/ea	White	3050 x 2050mm kg/ea	White
3	(-0.25 / +0.25)	4.02	✓	6.43	✓	8.44	✓
4	(-0.30 / +0.30)	5.36	O	8.57	O	11.26	●
5	(-0.35 / +0.35)	6.70	✓	10.71	✓	14.07	✓
6	(-0.40 / +0.40)	8.04	O	12.85	O	16.89	●

uPVC foam sheet | **ultra** | extruded
White (PE-Protection)

Thickness (mm)	Tolerance (mm)	2440 x 1220mm kg/ea	White	3050 x 1560mm kg/ea	White	3050 x 2050mm kg/ea	White
1*	(-0.15 / +0.15)	2.08	O	3.33	●	4.38	●
1.5*	(-0.17 / +0.17)	3.13	✓	5.00	O	6.57	O
2	(-0.20 / +0.20)	2.98	✓	4.76	✓	6.26	●
3	(-0.25 / +0.25)	4.47	O	7.14	O	9.38	●
4	(-0.30 / +0.30)	5.96	O	9.52	O	12.51	●
5	(-0.35 / +0.35)	7.45	O	11.90	O	15.64	●
6	(-0.40 / +0.40)	8.93	O	14.28	O	18.76	O
8	(-0.50 / +0.50)	11.91	O	19.03	●	25.01	●
10	(-0.60 / +0.60)	14.89	✓	23.80	●	31.27	●
15†	(-0.65 / +0.65)	-	-	32.03	O	-	-
19†	(-0.67 / +0.67)	-	-	40.57	✓	-	-

* uPVC foam base only.

†**Sheet size** = 3050 x 1400mm.

Sheet Tolerances		2440 x 1220mm	3050 x 1560mm	3050 x 2050mm
	Length (mm)	(-1.00 / +7.00)	(-1.00 / +7.00)	(-1.00 / +7.00)
	Width (mm)	(-1.00 / +5.00)	(-1.00 / +5.00)	(-1.00 / +5.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.
O Items available on application, minimum quantity may apply.
- Items are not available.

uPVC foam sheet

uPVC foam sheet | **premium** | extruded
White (PE-Protection one side)

Thickness (mm)	Tolerance (mm)	2440 x 1220mm kg/ea	White	3050 x 1560mm kg/ea	White	3050 x 2050mm kg/ea	White
2	(-0.20 / +0.20)	3.28	O	5.23	✓	6.88	✓
3	(-0.25 / +0.25)	4.91	✓	7.85	✓	10.32	✓
4	(-0.30 / +0.30)	6.55	O	10.47	O	13.76	O
5	(-0.35 / +0.35)	8.19	✓	13.08	✓	17.19	✓
6	(-0.40 / +0.40)	9.82	O	15.70	O	20.63	O
8	(-0.50 / +0.50)	13.10	O	20.94	O	27.51	O
10	(-0.60 / +0.60)	16.37	O	26.17	O	34.39	O

Sheet Tolerances		2440 x 1220m	3050 x 1560mm	3050 x 2050mm
	Length (mm)	(+5.00 / -1.00)	(+6.00 / -1.00)	(+6.00 / -1.00)
	Width (mm)	(+2.50 / -1.00)	(+3.00 / -1.00)	(+3.00 / -1.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply.

uPVC foam sheet

uPVC foam sheet | extruded

Black | Grey (PE-Protection one side)

Thickness (mm)	Tolerance (mm)	3050 x 2050mm	
		kg/ea	All Colours
3	(-0.25 / +0.25)	13.13	●
5	(-0.30 / +0.30)	21.88	●
6	(-0.35 / +0.35)	26.26	○

uPVC foam sheet | extruded

Dark blue | Light blue | Red
Dark yellow | Light yellow | Green (PE-Protection one side)

Thickness (mm)	Tolerance (mm)	3050 x 2050mm	
		kg/ea	All Colours
3	(-0.25 / +0.25)	13.13	○
5	(-0.30 / +0.30)	21.88	○
6	(-0.35 / +0.35)	26.24	○

Sheet Tolerances		3050 x 2050mm
	Length (mm)	(+6.00 / -1.00)
	Width (mm)	(+3.00 / -1.00)

All tolerances measured @ 20°C.

● Items available on application, normally within 7 days.
○ Items available on application, minimum quantity may apply.

uPVC Coplast co-extruded

Product full identity:
Unplasticised Polyvinyl Chloride - foam

uPVC Co-extruded foam retains the unique advantages of standard foam with increased durability due to a solid surface on both sides. Due to the increased impact resistance, fire rating and thermal properties this grade of foam is ideal for many cladding applications.

Properties

- Strong and durable
- Lightweight
- Good thermal properties
- High chemical resistance
- Fire rated - self extinguishing.

Applications

- Screen
- Digital & UV printing
- Exhibition stands & displays
- Wall and ceiling cladding
- Partitions and shop outfitting.

Forms

Sheet

uPVC coplast sheet

uPVC coplast sheet | co-extruded

White   (PE-Protection one side)

Thickness (mm)	Tolerance (mm)	2440 x 1220mm kg/ea	White	3000 x 1220mm kg/ea	White
3	(-0.20 / +0.20)	6.25	✓	7.69	✓
10	(-0.60 / +0.60)	20.84	O	25.62	O
13	(-0.65 / +0.65)	27.09	✓	33.31	O
14	(-0.65 / +0.65)	29.17	O	35.87	O
19	(-0.67 / +0.67)	39.59	O	48.68	O

Sheet Tolerances		2440 x 1220mm	3000 x 1250mm
	Length (mm)	(-1.00 / +7.00)	(-1.00 / +12.00)
	Width (mm)	(-1.00 / +5.00)	(-1.00 / +6.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply.

Cladding

Cladding overview   **129**

Established since 1969
You can trust in our experience and overall product knowledge

European suppliers
We source our materials from world leading suppliers

Extensive range
We have a comprehensive range of products available

Product development
We are continuously developing our range

Stock holding
Over 2500 tonnes from our extensive warehousing facilities

Product support
Our knowledgeable sales team offer quality product support

Distribution
We aim to deliver via our own fleet and always with care

uPVC cladding

Product full identity:
Unplasticised Polyvinyl Chloride

uPVC is a fire rated and food approved material that offers the most effective method of producing a complete hygienic and hard wearing environment. uPVC also has excellent chemical resistance, good temperature range and is easily cut, formed, glued and welded.

Properties

- Effective hygienic wall protection
- Fire rated - self extinguishing
- High chemical resistance
- Good temperature range (+60 to -0°C)
- Cost effective and easy to install
- High chemical resistance
- Food contact approved.

Applications

Suitable for hygienic applications such as:
- Kitchens
- Bathrooms
- Gymnasiums
- Dental practises
- Hospitals
- All hygienic and hard wearing applications.

Forms

Sheet   Profiles

Cladding

uPVC white cladding

uPVC sheets | satin finish

Brilliant white

Thickness (mm)	Tolerance (mm)	2440 x 1220mm kg/ea	Brilliant white	3050 x 1220mm kg/ea	Brilliant white
1.5	(-0.15 / +0.15)	6.48	✓	8.09	✓
2	(-0.17 / +0.17)	8.63	✓	10.79	✓
2.5	(-0.20 / +0.20)	10.79	✓	13.50	✓
3	(-0.22 / +0.22)	12.95	✓	16.18	✓

PE-Film protection: one side.

Sheet Tolerances		2440 x 1220mm	3050 x 1220mm
	Length (mm)	(-1.00 / +7.00)	(-1.00 / +7.00)
	Width (mm)	(-1.00 / +5.00)	(-1.00 / +5.00)

All tolerances measured @ 20°C.

✓ Items are normally stocked.

uPVC white cladding

uPVC profiles | satin finish
Brilliant white

Shape	Description	2440mm Brilliant white	3050mm Brilliant white
	Joiner and Transition - Top	✓	✓
	Joiner - Base	✓*	✓
	Capping - Top	✓	✓
	Capping and Transition - Base	✓*	✓
	Joiner (1 Part)	✓	✓
	Capping (1 Part)	✓	✓
	Small - Internal corner	✓	✓
	External corner	✓	✓
	Internal angle - 25mm	✓	✓
	Internal angle - 38mm	✓	✓
	Internal angle - 50mm	✓	✓
	External angle - 25mm	✓	✓
	External angle - 38mm	✓	✓
	External angle - 50mm	✓	✓

PE-Film protection: on all profiles.

* Only available in 2500mm from stock.

images used are for guide purposes only.

✓ Items are normally stocked.

uPVC pastel cladding

uPVC sheets | pastel colours

Pebble | Ivory | Sky | Willow (PE-Protection one side)

Thickness (mm)	Tolerance (mm)	2500 x 1220mm kg/ea	All colours	3050 x 1220mm kg/ea	All colours
2.5	(-0.20 / +0.20)	10.79	✓	13.50	✓

PE Film Protection: one side

		2500 x 1220mm	3050 x 1220mm
Sheet Tolerances	**Length (mm)**	(-1.00 / +7.00)	(-1.00 / +7.00)
	Width (mm)	(-1.00 / +5.00)	(-1.00 / +5.00)

All tolerances measured @ 20°C.

uPVC profiles | pastel colours

Pebble | Ivory | Sky | Willow

Shape	Description	3050mm All colours
	Joiner and Transition - Top	✓
	Joiner - Base *	✓
	Capping - Top	✓
	Capping and Transition - Base *	✓
	Joiner (1 Part)	O
	Capping (1 Part)	O
	Small - Internal corner	✓
	External corner	✓
	Internal angle - 38mm	✓
	External angle - 38mm	✓

PE-Film protection: on all profiles.

* White only

images used are for guide purposes only.

✓ Items are normally stocked.

O Items available on application, minimum quantity may apply.

uPVC pastel cladding

uPVC sheets | pastel colours

Duck egg | Clay | Sandstone | Linen | Mint (PE-Protection one side)

Thickness (mm)	Tolerance (mm)	2500 x 1220mm		3050 x 1220mm	
		kg/ea	All colours	kg/ea	All colours
2.5	(-0.20 / +0.20)	10.79	✓	13.50	✓

PE Film Protection: one side

Sheet Tolerances		2500 x 1220mm	3050 x 1220mm
	Length (mm)	(-1.00 / +7.00)	(-1.00 / +7.00)
	Width (mm)	(-1.00 / +5.00)	(-1.00 / +5.00)

All tolerances measured @ 20°C.

uPVC profiles | pastel colours

Duck egg | Clay | Sandstone | Linen | Mint

Shape	Description	3050mm All colours
⌢	Joiner and Transition - Top	✓
___*	Joiner - Base *	✓
⌐	Capping - Top	✓
⊔___*	Capping and Transition - Base *	✓
⌐	Internal angle - 38mm	O
⌐	External angle - 38mm	O
⌐	Internal corner - Small	✓
⌐	External corner	✓

PE-Film protection: on all profiles.

* **White only**

uPVC weld rod satin range | pastel colours

Pebble | Ivory | Sky | Willow | Duck Egg | Clay
Sand Stone | Linen | Mint

Size (mm)	Shape	All colours
4	●	✓

✓ Items are normally stocked.

● Items available on application, normally within 7 days.

O Items available on application, minimum quantity may apply.

uPVC gloss cladding

uPVC sheets | gloss colours

White | Ash | Slate | Plum | Ruby | Orange
Fuchsia | Lime | Avocado | Grape | Lagoon (PE-Protection one side)

Thickness (mm)	Tolerance (mm)	2500 x 1220mm		3050 x 1220mm	
		kg/ea	All colours	kg/ea	All colours
2.5	(-0.20 / +0.20)	10.79	✓	13.50	✓

PE Film Protection: one side.

Sheet Tolerances		2500 x 1220mm	3050 x 1220mm
	Length (mm)	(-1.00 / +7.00)	(-1.00 / +7.00)
	Width (mm)	(-1.00 / +5.00)	(-1.00 / +5.00)

All tolerances measured @ 20°C.

uPVC profiles | gloss colours

White | Ash | Slate | Plum | Ruby | Orange
Fuchsia | Lime | Avocado | Grape | Lagoon

Shape	Description	2500mm	3050mm
	Top - Joiner and Transition	⭘	✓
*	Joiner - Base *	✓	✓
	Capping - Top	⭘	✓
*	Capping and Transition - Base *	✓	✓
	Internal corner	⭘	✓
	External corner	⭘	✓

PE Film Protection: on all profiles.

 * **Base profiles:** To suit, available in white. *See page 135*

uPVC weld rod | gloss colours

White | Ash | Slate | Plum | Ruby | Orange
Fuchsia | Lime | Avocado | Grape | Lagoon

Size (mm)	Shape	All colours
4	●	✓

✓ Items are normally stocked.　　　　　　　　　⭘ Items available on application, minimum quantity may apply.
● Items available on application, normally within 7 days.

Adhesives & silicone

Adhesive range

White

Description	Size	Type	Availability
Premierbond 2PT	6.5 ltr	Tub	✓
Premierbond 2PT	8 ltr	Tub	●
Premierbond HT Hybrid MS Polymer	290 ml	Cartridge	✓
Premierbond HT Hybrid MS Polymer	600 ml	Foil	✓
Premierbond SF Solvent Free	300 ml	Cartridge	○

Silicone range

White | Black

Description	Size	Type	Availability
General purpose grade	310 ml	Cartridge	✓
Sanitary grade	300 ml	Cartridge	✓

Silicone range | pastel colour range

Pebble | Ivory | Sky | Willow | Duck egg | Clay
Sandstone | Linen | Mint

Description	Size	Type	Range	Colours
Sanitary grade	310 ml	Cartridge	Satin	All

Silicone range | gloss colour range
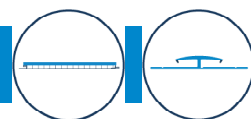
White | Ash | Slate | Plum | Ruby | Orange
Fuchsia | Lime | Avocado | Grape | Lagoon

Description	Size	Type	Range	Colours
Sanitary Grade	310 ml	Cartridge	Gloss	All

✓   Items are normally stocked.
●   Items available on application, normally within 7 days.

uPVC ceiling cladding

uPVC ceiling planks

White

Description	Pack quantity	3000mm White	4000mm White	5000mm White
250mm plank	5	✓	✓	✓

PE Film Protection: one side.

Ceiling planks: Sold in pack quantities only.

uPVC ceiling profiles

White

Shape	Description	5000mm White
⊤	**Joining strip**	✓
⊏	**Edging strip 1-part**	✓
⊥	**Edging strip 2-part**	✓

PE Film Protection: on all profiles.

✓ Items are normally stocked.

PPC cladding

PPC sheets

White (PE-Film protection one side) | Blue (PE-Film protection one side)

Thickness (mm)	Tolerance (mm)	2440 x 1220mm			3048 x 1220mm		
		kg/ea	White	Blue	kg/ea	White	Blue
2	(-0.10 / +0.10)	5.42	✓	O	6.77	O	O
2.5	(-0.07 / +0.07)	6.77	✓	O	8.46	O	O
3	(-0.15 / +0.09)	8.13	✓	✓	10.15	✓	✓

Sheet Tolerances		2440 x 1220mm	3048 x 1220mm
	Length (mm)	(-1.00 / +8.00)	(-1.00 / +11.00)
	Width (mm)	(-1.00 / +4.00)	(-1.00 / +4.00)

All tolerances measured @ 20°C.

Rivets

White | Blue

Description	Pack quantity	White	Blue
25mm drive rivets*	100	✓	✓
38mm drive rivets*	100	✓	✓

Rivets: Sold in pack quantities only.

* PP / Nylon
** Nylon / Acetal

Colours: RAL numbers detailed are for guide purposes only.

✓ Items are normally stocked.
O Items available on application, minimum quantity may apply.

Weld rod

Established since 1969
You can trust in our experience and overall product knowledge

European suppliers
We source our materials from world leading suppliers

Extensive range
We have a comprehensive range of products available

Product development
We are continuously developing our range

Stock holding
Over 2500 tonnes from our extensive warehousing facilities

Product support
Our knowledgeable sales team offer quality product support

Distribution
We aim to deliver via our own fleet and always with care

Weld rod | material information

Weld rod

Product full identity:
Welding rod

Our range of weld rods include PVC, PP, PE and PVDF. All our weld rods are manufactured for thermal welding processes used in the plastic fabrication industry.

Properties

- Excellent heat welding to create strong joints

Applications

- Applications requiring material specific welding seals such as tanks and boxes.

Forms

Weld rod

uPVC weld rod

uPVC weld rod | spools / sticks
Grey (RAL 7011) | White (RAL 9003)

Size (mm)	Shape	Grey	White
3	●	✓	✓
4	●	●	●
5.7	▲	●	●
5.2	♣	✓	✓

uPVC weld rod | spools / sticks
Black (RAL 9005) | Red (RAL 9900) | Ivory (RAL 9400)

Size (mm)	Shape	Black	Red	Ivory
3	●	○	○	●
4	●	○	●	●

uPVC Glas® weld rod | sticks
Blue tint

Size (mm)	Shape	Blue tint
3	●	✓
4	●	●
5 x 2.9	▲	●

Weld rod: Weights vary, please ask for details per product.

Colours: RAL numbers detailed are for guide purposes only.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.
○ Items available on application, minimum quantity may apply.

PP weld rod

PPC weld rod | spools

Natural | Beige | Black | White | Grey

Size (mm)	Spools	Natural	Beige	Black	White	Grey
3	●	✓	✓	✓	✓	✓
4	●	✓	✓	✓	✓	O
5 x 2.9	▲	✓	✓	✓	✓	O
5.2	♣	O	O	O	O	O

PPH weld rod | spools

Natural | Beige

Size (mm)	Shape	Natural	Beige
3	●	✓	✓
4	●	●	✓
5 x 2.9	▲	●	✓

PPH - FR weld rod | spools

Grey

Size (mm)	Shape	Grey
3	●	✓
4	●	●

PPC.FR: Fire Retardant, available on application
Triangular and 3 core: Available on application.

Weld rod: Weights vary, please ask for details per product.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.
O Items available on application, minimum quantity may apply.

PE - HD weld rod

PE - HD (300) weld rod | spools

Natural | Black

Size (mm)	Shape	Natural	Black
3	●	✓	✓
4	●	✓	✓
5 x 3	▲	O	✓

PE - HD (100) weld rod | spools

Natural | Black | Light blue

Size (mm)	Spools	Natural	Black
3	●	●	●
4	●	●	●
5 x 3	▲	-	●
6 x 3.6	▲	-	●
7 x 4.3	▲	-	●

Weld rod: Weights vary, please ask for details per product.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.
O Items available on application, minimum quantity may apply.

PVDF / PC weld rod

PVDF weld rod | sticks

Natural

Size (mm)	Shape	Natural
3	●	✓
4	●	●
5 x 3	▲	●

PC weld rod | sticks

Clear

Size (mm)	Shape	Clear
3	●	✓

Weld rod: Weights vary, please ask for details per product.

✓ Items are normally stocked.
● Items available on application, normally within 7 days.

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UKAS MANAGEMENT SYSTEMS
0026

Certificate Number 8147
ISO 9001 ISO 14001

INVESTORS IN PEOPLE