

PLASTIM



PRICE LIST January 2021

Welcome to Plastim Limited (Est.1997), 100% ethical stockist of the finest quality materials available
Plastim is part of the Omnia Plastica S.p.A.Group who have been manufacturing plastics since 1950

Offering top quality, world-class products is where it all begins. All our manufacturers are ISO-Certified.
Using only the best raw materials they produce Rods, Sheets & Tubes in state of the art Extruding,
Calandring and Casting plants. Plastem offers you only the finest quality semi-finished products.

We never compromise on Quality.

Our friendly and helpful staff understand the importance of processing your order with the utmost care
and getting the right goods delivered to you on time. All enquiries are answered promptly and
professionally. We are more than happy to assist should you need any advise on material selection.
We want to earn your trust and become your preferred supplier of Engineering Plastic materials.

We never compromise on Service.

Capacity

Cutting Billets up to Ø 430 mm
Cutting Blocks & Strips up to 120 mm thick
Cutting Discs up to Ø 990 mm x 120 mm thick

Tolerances

-0 +2 mm
-0 +2 mm
-0 +8 mm

-0 +0.4 mm
to within 0.1mm

Planing of strips and blocks 6 - 250 mm thick x 610 mm wide
Centreless Grinding Ø 6 - 50.50 mm

Transport Charges

Packages (rods, tubes & cut pieces) up to 10Kg or the value of £50.00 nett	£10.00
Packages (rods, tubes & cut pieces) 10-100Kg or to the value of £500.00 nett	£13 to £20.00
Packages (rods, tubes & cut pieces) over 100Kg or more than £500.00 nett	£20 to £35.00
Sheets weighing more than 25 Kg in total (2000 x 1000 mm pallet load)	£25 to £45.00

Certificates of Conformity

These must be requested **prior to goods being despatched**. We cannot issue certificates once the goods
have left our warehouse. Certificate charge is £5.00 per order.

Checking of Parcels

Please **count the number of packages/parcels received before signing any document**. Make sure it
tallies with the quantity appearing on the delivery note.

If you receive any damaged packages **please write "damaged package" on the driver's copy of the
delivery note and inform us immediately.**

Notes/Info

Plastim Ltd provides the info notes as guidance only and in good faith but without liability. The buyer accepts
full responsibility for the selection of our products.

Please visit us at www.plastim.co.uk for all technical data & product information.

Material		Colour	Page
Acetal - Copolymer	Rod	Natural, Black, Blue, Red, Orange, Green & Yellow	4 & 5
	<i>X-Glide - PE300/1000 Additive</i>	Light Blue	6
	<i>Metal Detectable , Glass Filled</i>	Mid Blue , 25%GF Black	6
	Sheet	Natural, Black, Blue	7
	Tube	Natural, Black	8
Acetal - H (Delrin)	Rod, Sheet	Natural & Black	9
PET-P Arnite® OmniaLite TXLF	Rods - Std. + PTFE Additive	Natural, Black, Pale Grey	10
	Sheet - Std.+ PTFE Additive	Natural, Black, Pale Grey	11
Cast Nylon 6	Rod	Natural, Black, Blue	12
	Rod	Oil-filled - Green, Yellow	12
	Sheet	Natural, Black, Anthracite, Blue	13
	Sheet	Oil Filled Green, Yellow, Red Wax filled	13
	Tube	Natural	17
Extruded Nylon 6	Rod	Natural, Black	14
	Sheet	Natural, Black	15
	Tube	Natural	17
	Rod & Sheet Glass Filled	Black	16
Extruded Nylon 66	Rod	Natural	14
	Rod + MoS	Flakey Grey	14
	Rod Glass filled	Black	16
	Sheet	Natural	15
	Sheet Glass filled	Black	16
Extruded Nylon 66.6	Rod	Black	14
Extruded Nylon 12	Rod	Natural, Black	14
Polyethylene (PE300 / 500 / 1000)	Rod	Natural, Black	19
	Sheet	Natural, Black, Blue, Red, Green	19
Polypropylene	Rod & Sheet	Natural, Beige-Grey, Black	20
PVC (U-PVC)	Rod & Sheet	Grey, Black, Red & White	21
PTFE Teflon	Rod	Virgin, P-Ground, Glass, Carbon-filled	22
	Sheet	Virgin, Glass-filled	23
PEEK	Rod & Sheet	Virgin, Glass , Modified	24
PVDF	Rod & Sheet	Natural & Black	25
Phenolic Laminates	Rod	Brown	26
	Sheet	Brown, Glass-Green	27
Acrylic Cast	Rod & Sheet	Clear Transparent	28
Polycarbonate	Rod & Sheet	Clear	29
ABS	Rods & Sheet	Natural, Light Grey, Black	30
Noryl® (PPE)	Rod & Sheet	Light-Grey, Beige	31
Polysulphone PSU	Rod	Amber	32
PEI Ultem1000	Rod & Sheet	Amber	32



Omniacetal C

Tol mm	∅ mm	NATURAL £ / m	BLACK £ / m
+0.1+0.4	6	1.00	1.00
+0.1+0.5	8	1.80	1.80
	10	2.60	2.60
+0.2+0.7	12	3.50	3.50
	15	5.10	5.10
	16	5.70	5.70
	18	6.60	6.60
	20	7.40	7.40
+0.2+0.9	22	8.50	8.50
	25	11.20	11.20
	28	13.10	13.10
	30	14.10	14.10
+0.2+1.1	32	16.20	16.20
	35	18.50	18.50
	40	22.30	22.30
+0.3+1.3	45	28.30	28.30
	50	35.30	35.30
	55	40.80	40.80
+0.3+1.6	60	48.00	48.00
	65	56.70	56.70
	70	65.30	65.30
+0.4+2.0	75	76.00	76.00
	80	83.00	83.00
+0.5+2.2	85	94.00	94.00
	90	106.00	106.00
+0.6+2.5	100	129.00	129.00
+0.7+3.0	110	156.00	156.00
+0.8+3.5	120	186.00	186.00
	125	204.00	204.00
+0.9+3.8	130	218.00	218.00
	135	231.00	231.00
	140	253.00	253.00
+1.0+4.2	150	281.00	281.00
+1.1+4.5	160	322.00	322.00
+1.2+5.0	175	383.00	383.00
	180	404.00	429.00
+1.3+5.8	200	495.00	495.00
	220	685.00	685.00
+1.5+6.2	235	742.00	742.00
	250	862.00	862.00
+1.7+7.1	280	1193.00	1193.00
+1.7+7.0	300	1314.00	1314.00
+1.7+7.1	350	2778.00	2778.00
+1.7+7.2	400	3615.00	3615.00

Omniacetal C

Tol mm	∅ mm	Blue 5002 £ / m	Red 3027 £ / m	Orange 2007 £ / m	Yellow 1014 £ / m	Green 6016 £ / m
+0.2+0.7	20	11.30	15.00	15.00	15.00	
	25	17.00	22.50		22.50	22.50
	30	22.40	28.50	28.50	28.50	28.50
	40	33.90	42.50	42.50	42.50	42.50
	50	48.00	58.25	58.25	58.25	58.25
+0.3+1.6	60	70.00	85.00	85.00	85.00	85.00
	70	95.00	120.00	120.00		
	80	113.00	150.00	150.00	150.00	150.00
	90	150.00	185.00	185.00		
+0.6+2.5	100	165.00	225.00			
+0.7+3.0	110	200.00		285.00		
+0.8+3.5	120	247.00		345.00		
+0.9+3.8	130	285.00				
+1.0+4.2	150	368.00				
+1.1+4.5	160	430.00				
+1.3+5.8	200	744.00				
	220	1147.00				
	250	1472.00				
+1.7+7.0	300	2102.00				

All Natural, Black & coloured Omnicetal rods are Food Safe



Omniacetal C

∅ mm	X-Glide + PE £ / m	Metal-Detec £ / m	Glass Filled 25% £ / m
20	22.50		35.00
25			47.60
30	47.75	65.00	68.10
35			93.00
40	67.50		121.00
50	105.00	150.00	182.00
60	167.75		262.00
70	195.00		
80		365.00	447.00
90	315.00	395.00	
100	365.00		672.00

RAL.5012 **RAL.5009** **Black**
Food Safe **Food Safe** **Not Food safe**



Precision cutting of rods & tubes up to dia 400 mm

Omniacetal C

Tol mm	Thick mm	NATURAL £ / sheet	BLACK £ / sheet	BLUE RAL5002 £ / sheet
2000 x 1000				
-0.2 +0.2	1.5*	116.00		
	2	125.00	125.00	
	3	167.00	167.00	
	4	220.00	220.00	
+0.2 +0.5	5	257.00	257.00	
+0.2 +0.75	6	305.00	305.00	
+0.2 +0.9	8	329.00	329.00	
	10	405.00	405.00	650.00
+0.3 +1.5	12	463.00	463.00	725.00
	15	560.00	560.00	885.00
	20	730.00	730.00	1125.00
	25	878.00	878.00	
+0.5 +2.5	30	1065.00	1065.00	1650.00
	35	1228.00	1228.00	
	40	1370.00	1370.00	2175.00
	45	1598.00	1598.00	
	50	1712.00	1712.00	2675.00
	60	2054.00	2054.00	3075.00
2000 x 620				
+0.5 +3.5	70	1521.00	1521.00	
+0.5 +5.0	80	1731.00	1731.00	2685.00
	100	2164.00	2164.00	3500.00
	120	2676.00	2676.00	

All Omniacetal sheets are Food Safe

Omniacetal C

Tol OD mm	Tol id mm	OD x ID mm	NATURAL £ / m	BLACK £ / m
+0.4+1.1	-0.4-1.1	25 x 12	13.60	18.10
		30 x 20	14.60	
+0.6+2.0	-0.6-2.0	36 x 20	27.00	
		40 x 20	34.50	37.40
		40 x 30	22.50	
		45 x 30	36.00	39.20
		50 x 30	45.90	53.80
		50 x 40	29.70	
+0.8+2.5	-0.8-2.5	56 x 25	69.80	
		60 x 30	71.40	82.40
		60 x 40	55.50	
+0.8+3.0	-0.8-3.0	70 x 30	105.00	
		70 x 50	68.20	78.70
		80 x 40	118.00	
		80 x 60	74.70	
+1.2+3.6	-1.6-5.0	90 x 50	142.00	124.00
		90 x 70	100.00	
		100 x 50	180.00	191.00
		100 x 80	100.00	
		110 x 50	226.00	
+1.5+4.0	-2.0-6.5	125 x 80	230.00	
+1.8+5.4	-2.2-7.5	150 x 100	308.00	
		160 x 100	369.00	
		180 x 140	322.00	
+2.0+6.0	-2.5-8.5	200 x 150	432.00	
+3.0+9.0	-3.0-12.0	250 x 200	594.00	

Food Safe

Length:

OD 25-125 mm = 3m

OD 150 - 250 mm = 1m



01-01-21

Omniacetal H

∅ mm	NATURAL £ / m	BLACK £ / m
6	1.00	
8	1.70	
10	2.50	
12	3.60	
16	6.30	6.40
20	9.70	9.90
25	14.80	15.10
28	18.50	
30	21.20	21.60
32		24.70
36	30.40	
40	37.40	38.10
45	47.40	48.30
50	58.40	59.50
55	73.00	74.40
60	84.00	86.00
65	99.00	101.00
70	114.00	116.00
75	132.00	134.00
80	150.00	152.00
90	189.00	
100	233.00	238.00
110	281.00	
125	363.00	
150	523.00	

Acetal-H (POM-H)

Thick mm	NATURAL £ / sheet
	2000 x 610
8	317.00
10	391.00
12	479.00
16	626.00
20	775.00
25	959.00
30	1168.00
40	1537.00
50	1908.00

Black rods also available

Arnite®

Omnialite

Tol mm	∅ mm	NATURAL £ / m	BLACK £ / m	Light Grey £ / m
+0.2+0.7	12	8.50		
	16	8.20		
	20	9.00	12.10	16.40
+0.2+0.9	25	12.10	17.30	21.60
	30	18.80	26.00	33.90
+0.2+1.1	35	22.60		44.50
	40	29.20	43.40	55.80
+0.3+1.3	45	36.40		
	50	43.60	64.90	84.00
	55	51.90		
+0.3+1.6	60	61.00	90.00	117.00
	65	74.00		
	70	86.00	128.00	
+0.4+2.0	75	96.00		
	80	109.00	162.00	219.00
+0.5+2.2	90	136.00		
+0.6+2.5	100	164.00	244.00	317.00
+0.7+3.0	110	246.00		
+0.8+3.5	120	292.00		475.00
+0.8+3.6	130	344.00		
+0.9+3.8	135	347.00		TXLF contains a solid lubricant
+1.0+4.2	150	455.00	571.00	
+1.0+4.3	160	555.00		
+1.2+5.0	175	587.00		
+1.2+5.1	180	728.00		
+1.3+5.5	200	838.00		

Food Safe

Food Safe

Lengths:

∅ 12-16 = 3m

∅ 20-175 = 2m

∅ 200 = 1m



Excellent bushing material

		Arnite®		Omnialite
Tol mm	Thick mm	NATURAL £ / sheet	BLACK £ / sheet	Light Grey £ / sheet
		2000 x 610	2000 x 610	2000 x 610
+0.2+0.9	10	327.00	419.00	
+0.3+1.5	12	400.00	431.00	Available
	15/ 16	522.00	525.00	8mm to 60mm
	20	615.00	787.00	
	25	761.00	793.00	
+0.5+2.5	30	906.00	1116.00	
	40	1195.00	1220.00	
	50	1474.00	1905.00	
+0.5+3.5	60	1721.00	2274.00	

Food Safe

Food Safe

2000 x 1000 size sheets upon request

Arnite® PETP (Polyethylene Terephthalate)

Outstanding dimensional stability (**even in water**). Excellent wear and abrasion resistance (Similar to nylon), high surface strength and low friction coefficient. Great choice for bushings & bearings. Very good electrical insulation properties. EU & FDA approved for use in contact with food. Poor resistance to **hot water** but good chemical resistance (better resistance to acids than nylon). Fire rating: UL94 HB. Continuous temperature range: -20°C +110°C.

Omnialite "Exceptional results"

A UK marine jet motor manufacturer rigorously tested (518,000 cycles) OmniaLite against a well known thermoplastic bushing in an abrasive mixture of salt water, sand & glass beads. Our competitor's bushing wore 1.0 mm whereas our OmniaLite bushing wore only 0.6 mm (40% less). Manufacturer: "**Exceptional results**, I will email when I have a chance to properly quantify, roughly 1.5 times more durable".

Omniamid

Tol mm	∅ mm	NATURAL £ / m	BLACK £ / m	Green & Yellow	RED - WLF	BLUE
				Oil-Filled £ / m	Wax Filled £ / m	HS £ / m
+1.0+3.0	50	35.00	36.70	50.00		50.00
	55	43.50	45.70	60.00		60.00
+1.0+4.0	60	50.70	53.20	75.00		75.00
	65	58.70	61.60			
	70	68.50	71.90	95.00		95.00
	75	79.00	83.00	106.00		
	80	89.00	93.00	128.00		128.00
	90	112.00	118.00	145.00		145.00
	100	117.00	123.00	150.00	185.00	150.00
+1.5+5.0	110	143.00	151.00	175.00	225.00	175.00
	120	164.00	172.00	215.00	275.00	215.00
	130	190.00	199.00	245.00	315.00	245.00
	140	217.00	228.00	284.00	350.00	284.00
	150	252.00	265.00	327.00	410.00	327.00
+2.0+7.0	160	293.00	308.00	366.00	450.00	366.00
	170	329.00	345.00	422.00		
	180	364.00	382.00	463.00	550.00	463.00
	190	411.00	431.00	509.00		
	200	445.00	467.00	572.00	675.00	572.00
+3.0+9.0	210	497.00	522.00			
	220	543.00	570.00	715.00	845.00	715.00
	230	595.00	625.00			
	240	641.00	673.00			
	250	698.00	734.00	895.00	1050.00	895.00
	260	768.00	807.00			
	270	820.00	861.00			
	280	883.00	928.00			
	300	975.00	1025.00	1225.00	1475.00	
	325	1131.00	1189.00			
	350	1298.00	1363.00			
	380	1508.00	1585.00			
	400	1686.00	1771.00			
430	1975.00	2075.00				

Food Safe

Lengths:

- ∅ 50-90 = 3m lengths
- ∅ 100-220 = 2m lengths
- ∅ 230-400 = 1m lengths
- ∅ 450-500 = 0.5m lengths



Boring: A small pilot hole, the use of a coolant and "peck" drilling technique is recommended.

Omniamid

Tol mm	Thick mm	Natural £ / sheet	Black £ / sheet	Natural £ / sheet	Black £ / sheet
		2000 x 1000		2440 x 1220	
+0.5 +2.0	10	419.00	435.00	607.00	633.00
+1.0 +2.5	12	475.00	485.00	729.00	760.00
+1.2 +2.5	15	481.00	505.00	731.00	768.00
	20	610.00	641.00	925.00	972.00
	25	756.00	795.00	1163.00	1241.00
+1.5 +3.5	30	897.00	942.00	1391.00	1483.00
	35	1027.00	1079.00	1639.00	1748.00
	40	1177.00	1237.00	1793.00	1884.00
	50	1443.00	1516.00	2218.00	2278.00
+2.0 +6.0	60	1724.00	1812.00		
	70	1995.00	2096.00		
+2.0 +6.0	80	2209.00	2321.00		
	100	2795.00	2936.00		
	120	3650.00	3850.00		

Food Safe

Link to site: www.Plastim.co.uk

Omniamid - Premium Grades

Tol mm	Thick mm	Oil-Filled	Wax Filled	HS	MOLY MoS2
		Green & Yellow £ / sheet	RED - WLF £ / sheet	BLUE £ / sheet	ANTHRACITE £ / sheet
+0.5 +2.0	10	475.00		580.00	
+1.0 +2.5	12	563.00		615.00	
+1.2 +2.5	15	669.00	750.00	680.00	595.00
	20	849.00	950.00	875.00	775.00
	25	1061.00	1139.00	1109.00	925.00
+1.5 +3.5	30	1193.00	1375.00	1296.00	1100.00
	40	1601.00	1850.00	1665.00	1450.00
	50	1961.00	2320.00	2056.00	1800.00
+2 +6.0	80	3150.00			

Akulon®

Ø mm	6		66		12	
	Natural £ / m	Black £ / m	Natural £ / m	Black £ / m	Flakey Grey £ / m	Nat & Black £ / m
8	2.70		4.30			
10	3.20	3.20	5.20		3.40	
12	3.60	3.60	5.50		4.90	
15	5.20	5.20	8.40			
16	6.00	6.00	9.00		8.00	
18	6.30	6.30	11.30		10.60	
20	7.80	7.80	11.70	11.70	11.50	23.50
22	8.60		14.20			
25	11.40	11.40	17.20	17.20	18.00	35.00
28	14.00		21.30			
30	15.80	15.80	24.50	24.50	25.50	47.50
32	17.20		27.00		28.20	
35	20.90	20.90	34.00	34.00	33.50	
40	25.20	25.20	41.70	41.70	43.50	82.50
45	30.30	30.30	51.30	51.30	53.60	
50	36.30	36.30	63.10	63.10	65.80	135.00
55	45.70	45.70		78.70		
56			78.70			
60	53.60	53.60	87.50	87.50		175.00
65	58.10	58.10	102.30	102.30		
70	67.60	67.60	114.00	114.00		245.00
75	77.90	77.90	132.00	132.00		
80	88.20	88.20	148.00	148.00		300.00
85	90.70		189.00			
90	108.00	108.00	189.00	189.00		
100	133.00	133.00	234.00	234.00		465.00
110	161.00	161.00	285.00			
120	194.00	194.00				
125			369.00			
130	233.00		439.00			
140	265.00					
150	306.00		584.00			
200			1039.00			

Food Safe

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Nylons

PA = Polyamide

PA6

Optimal combination of mechanical strength, stiffness, wear & shock resistance.

PA66

Higher mechanical strength & wear resistance than PA6 and easier to machine.

PA66.6

PA66.6 + Graphite is harder compared to the nylon 66 and is therefore dimensionally more stable.

It also has better impact resistance & lower friction coefficient than PA66.

PA12

Lowest moisture absorption of all nylons, greater dimensional stability & best impact strength.

PA6G

Excellent wear properties (similar to Nylon 66) and generally less stress than other nylons.

PA6G Oil

Better wear properties than Cast Nylon and a lower friction coefficient.

Note: Nylon absorbs more moisture than other plastics which results in poor dimensional stability.

01-01-21

Tel: 01452.857733

sales@plastim.co.uk

Fax: 01452.857744

		Akulon 6		Akulon 66
Tol mm	Thick mm	NATURAL £ / sheet	BLACK £ / sheet	NATURAL £ / sheet
		2000 x 1000		2000 x 1000
-0.15 +0.15	1	57.80		
	1.5	87.00		110.00
	2	105.00		148.00
-0.2 +0.2	3	143.00	158.00	212.00
	4	186.00	201.00	283.00
+0.2 +0.75	5	221.00	234.00	343.00
	6	263.00	281.00	409.00
+0.2 +1.50	8	307.00	365.00	
	10	379.00		
	12	458.00		
				2000 x 620
+0.2+0.9	8			346.00
+0.2+1.1	10			400.00
+0.2+1.7	12			485.00
	16			635.00
	20			693.00
	25			882.00
+0.5+2.5	30			981.00
	40			1319.00
	50			1638.00
+0.5+5.0	60			2110.00
		Food Safe	Food Safe	Food Safe



RODS	Nylon 6 + 30% GF	Nylon 66 + 30% GF
	PA6 GF30	PA66 GF30
Ø	BLACK	BLACK
mm	£ / m	£ / m
20	17.40	17.80
25		27.80
30	34.70	39.60
40	62.90	70.20
50	95.00	110.00
60	133.00	158.00
70	170.00	213.00
80	222.00	279.00
100	350.00	437.00
120	564.00	607.00
135	732.00	
150	873.00	948.00
175	1133.00	
200	1488.00	

SHEETS	Nylon 6 + 30% GF	Nylon 66 + 30% GF
	Black	Black
Thick	£ / sheet	£ / sheet
mm	2000 x 500	2000 x 620
10	555.00	650.00
15	879.00	
20	1111.00	1225.00
30	1658.00	1850.00
40	2108.00	2325.00
50	2318.00	2850.00
60	3112.00	3420.00
80	n/a	4550.00
100	n/a	5675.00

Akulon® / Omniamid

	Tol OD mm	Tol id mm	OD x id mm	NATURAL £ / m
Extruded PA6	+0.4+1.1	-0.4-1.1	30 x 15	16.70
			30 x 20	12.20
	+0.6+2.0	-0.6-2.0	40 x 20	28.50
			40 x 30	19.00
			50 x 20	46.80
	+0.8+2.5	-0.8-2.5	50 x 30	37.90
			60 x 20	34.10
			60 x 30	62.30
	+0.8+3.0	-0.8-3.0	60 x 40	46.80
			70 x 30	90.40
70 x 50			56.00	
+1.2+3.6	-1.6-5.0	80 x 30	121.00	
		80 x 50	88.00	
		90 x 30	146.00	
		90 x 50	119.00	
+1.5+4.5	-2.0-6.5	100 x 40	171.00	
		100 x 60	137.00	
		110 x 60	175.00	
		120 x 60	191.00	
CAST PA6G	+2.0+6.0	-2.0-10.0	120 x 80	157.00
			130 x 80	193.00
			150 x 100	230.00
			200 x 100	440.00
+3.0+9.0	-2.0-13.0	250 x 100	710.00	
		250 x 150	574.00	
+3.0+12.0	-2.0-15.0	250 x 200	376.00	
		280 x 100	942.00	
			300 x 100	1055.00

Length: OD 30-100 = 3m OD 110-250 = 1m

**Huge range of top quality Cast Nylon tubes
and rings up to OD 1500mm available
from our factory within 2 weeks**

HDPE / PE300

∅ mm	NATURAL £ / m	BLACK £ / m
10	3.00	3.00
12	3.30	3.30
15	4.20	4.20
20	4.90	4.90
25	7.00	7.00
30	9.40	9.40
35	12.60	12.60
40	16.70	16.70
45	21.10	21.10
50	23.80	23.80
55	27.90	27.90
60	34.10	34.10
65	39.90	39.90
70	46.30	46.30
75	53.10	53.10
80	58.20	58.20
90	73.60	73.60
100	91.00	91.00
110	110.00	110.00
120	130.00	130.00
130	147.00	147.00
140	167.00	167.00
150	192.00	192.00
160	218.00	218.00
180	275.00	275.00
200	344.00	344.00
225	540.00	540.00
250	642.00	642.00
300	922.00	922.00
350	1207.00	1207.00
400	1957.00	1957.00

UHMWPE / PE1000

∅ mm	Natural & Black £ / m	Green & Blue £ / m
12	6.00	
20	6.50	9.50
25	8.60	
30	12.10	18.10
35	16.10	
40	18.90	26.40
45	24.10	
50	31.40	37.10
60	44.00	49.10
70	58.00	67.50
80	73.00	85.00
90	86.00	98.00
100	106.00	121.00
110	123.00	
120	147.00	
125	167.00	
130	172.00	
140	209.00	
150	228.00	
160	259.00	
180	327.00	
200	392.00	
250	942.00	
300	1675.00	



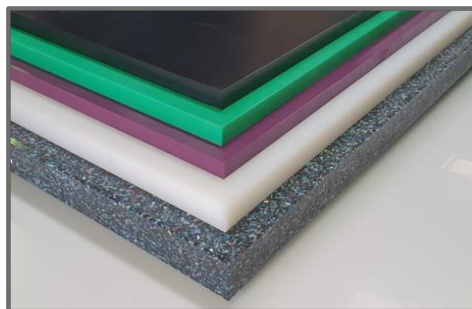
All Polyethylene rods are Food Safe

Available Ex-factory:-

HDPE Rods ∅ 400-700 mm

HDPE Black tubes up to OD 1300 mm

Length: ∅ 10-200 = 2m ∅ 225-350 = 1m



HDPE / PE 300

HMWPE / PE 500

UHMWPE / PE 1000

Thick mm	Nat. & Black £ / sheet	* GREEN * £ / sheet	NATURAL £ / sheet	BLUE, RED £ / sheet	NATURAL £ / sheet	BLACK, GREEN Regenerated
2000 x 1000		2000 x 1000		2000 x 1000		
1					85.00	
2	51.20	66.20			129.00	
3	76.70	99.30			193.00	
4	86.90	102.30			215.00	
5	109.00	128.00			225.00	
6	131.00	154.00			245.00	
8	158.00	185.00			295.00	
10	198.00	232.00	240.00	256.00	313.00	256.00
12	237.00	259.00	278.00	307.00	359.00	307.00
15	296.00	301.00	298.00	336.00	427.00	344.00
20	386.00	401.00	384.00	432.00	507.00	459.00
25	445.00	483.00	480.00	540.00	634.00	557.00
30	534.00	579.00	576.00	623.00	760.00	623.00
35			671.00		887.00	
40	712.00		740.00	831.00	980.00	831.00
45					1064.00	
50			925.00	1039.00	1182.00	1039.00
60			1157.00		1475.00	1246.00
70			1350.00	1485.00	1785.00	
80			1543.00		2040.00	1665.00
90				2150.00		
100			2136.00	2385.00	2609.00	2275.00
120			2799.00		3347.00	

Food Safe

Food Safe

Food Safe

Food Safe

Food Safe

Polyethylene

Good chemical resistance to most acids, detergents & hot water. Low friction coefficient and therefore good sliding properties. (Low Density floats in water)
 Natural, **Blue & Red - FDA compliant** for use in contact with foodstuffs.
 HMWPE has excellent abrasion resistance & impact strength.
 UHMWPE has the **highest wear resistance** and toughness, even at low temp.

Temperature Range	°C
HDPE (High Density Polyethylene)	-50 +90
HMWPE (High Molecular Weight Polyethylene)	-100 +80
UHMWPE (Ultra High Molecular Weight Polyethylene)	-200 +80

Rods

∅ mm	Natural, BG-Grey , Black £ / m +10%
10	4.20
12	4.50
15	6.60
20	5.70
25	8.80
30	10.80
35	14.80
40	18.00
45	22.80
50	28.20
55	33.60
60	38.00
65	44.80
70	51.40
75	58.00
80	62.40
90	79.00
100	98.00
110	114.00
120	135.00
130	158.00
140	185.00
150	212.00
160	232.00
180	293.00
200	367.00
225	493.00
250	615.00
300	882.00
350	1039.00

Food Safe

Sheets

Thick mm	NATURAL & BG-GREY £ / sheet
	2000 x 1000
2	54.80
3	76.70
4	89.50
5	112.00
6	125.00
8	158.00
10	198.00
12	232.00
15	280.00
20	376.00
25	468.00
30	559.00
40	920.00
50	1272.00
60	1525.00
80	2322.00
100	3100.00

Sheet Info.

Sheets 2mm to 50mm - Extruded
 Sheets 60mm to 100mm - **Pressed**
 All made from Homopolymer resin.

Black PP rods from ∅ 15-100 mm in stock,
 larger sizes available from our factory

Polypropylene

High mechanical and tensile strength, good chemical resistance, higher operating temperature (100 °C) than PE but **brittle at low temperatures** (min operating temp is +5 °C).
 Good chemical and electrical properties.



01-01-21

PVC

Rods

Ø mm	GREY £ / m	White RED Black £ / m
6	1.70	1.90
8	2.00	2.20
10	2.50	2.80
12	3.10	3.50
15	4.20	4.70
18	5.30	6.00
20	6.40	6.80
22	7.40	7.90
25	8.70	9.30
30	9.60	11.20
32	10.90	12.70
35	13.10	15.30
40	17.40	20.30
45	21.80	25.40
50	26.10	30.50
55	31.80	37.10
60	37.40	43.70
65	44.40	51.80
70	47.10	55.60
75	54.20	64.10
80	61.40	72.60
85	69.00	81.50
90	78.00	91.90
100	96.00	114.00
110	116.00	137.00
120	138.00	163.00
130	161.00	191.00
140	188.00	222.00
150	216.00	255.00
160	244.00	289.00
180	298.00	357.00
200	366.00	440.00
225	589.00	589.00
250	728.00	
300	1290.00	

Length: Ø 6-200 = 2m, Ø 225-300 = 1m,

Sheets

Thick mm	GREY £ / sheet	BLACK £ / sheet
2000 x 1000		
Extruded		
3	82.40	97.00
4	110.00	128.00
5	124.00	146.00
6	148.00	175.00
8	193.00	228.00
10	240.00	283.00
12	289.00	341.00
15	346.00	425.00
20	479.00	521.00
25	601.00	653.00
30	718.00	
35	920.00	
40	1131.00	1316.00
50	1675.00	1880.00
Pressed		
60	2876.00	
70	3355.00	
80	4251.00	

NOW AVAILABLE

C-PVC Rods (Light Grey) dia 15 to 200 mm

Benefits of C-PVC compared to U-PVC

- + Higher Stiffness
- + Improved Notch Impact Strength
- + Higher Operating Temp (85° C)
- + Better Dimensional Stability
- + Better Resistance to Acids & Alkalis

C-PVC is used in the Pump Industry

PVC

PVC has **excellent chemical resistance** and a **UL94 V.0** flammability rating (self extinguishing).

It has high mechanical and tensile strength and is easy to machine. Disadvantages are its low impact strength and poor weather resistance. Easy to glue and weld. Temp range: -15°C to +60°C.

PTFE

Virgin PTFE

Ø mm	EXTRUDED £ / m
3	2.00
4	3.30
5	4.70
6	5.10
8	7.20
10	10.10
12	15.10
13	17.60
14	19.10
15	21.90
16	24.40
18	28.50
20	31.10
22	37.30
25	46.80
28	54.90
30	64.70
32	72.50
35	88.20
38	103.80
40	111.60
45	143.00
50	177.00
55	208.00
60	241.00
65	279.00
70	343.00
75	377.00
80	416.00
90	534.00
100	646.00
110	754.00
120	873.00
130	992.00
140	1153.00
150	1390.00
160	1765.00
180	2207.00
200	2577.00

Food Safe

Precision Ground

Ø mm	VIRGIN £ / m
6	6.80
8	10.30
10	13.10
12	17.80
16	26.00
20	38.00
25	57.00

**In House Precision Grinding
up to Dia.50mm**



25% Glass-Filled

Ø mm	EXTRUDED £ / m
8	10.60
10	14.00
15	33.70
20	48.80
25	65.20
30	93.80
35	121.00
40	159.00
45	199.00
50	244.00

Ø mm	MOULDED £ / 300 mm
55	97.00
60	118.00
65	135.00
70	157.00
75	178.00
80	201.00
90	251.00
100	313.00
130	526.00
150	698.00
175	950.00
205	1307.00

Food Safe

25% Carbon-Filled

Ø mm	EXTRUDED £ / m
10	14.00
15	33.70
20	48.80
25	65.20
30	93.80
35	121.00
40	159.00
45	199.00
50	244.00

Food Safe

PTFE

Virgin PTFE

Thick mm	600 x 600 £ / sheet	1200 x 1200 £ / sheet
0.5		111.50
0.8		159.70
1		168.00
1.5		255.00
2		321.00
2.5		364.00
3	108.00	424.00
4	142.00	559.00
5	175.00	690.00
6	203.00	803.00
8	260.00	1031.00
10	305.00	1211.00
12	387.00	1537.00
15	481.00	1916.00
20	626.00	2494.00
25	732.00	2919.00
30	947.00	3778.00
35	1010.00	4356.00
40	1196.00	4776.00
50	1531.00	6115.00
60	1883.00	
75	2422.00	
80	2528.00	
100	3217.00	

Food Safe

PTFE + 25% Glass

600 x 600 £ / sheet	1200 x 1200 £ / sheet
	231.00
	337.00
	353.00
	451.00
136.00	534.00
274.00	1088.00
361.00	1435.00
444.00	1765.00
518.00	2063.00
674.00	2686.00
894.00	3568.00
1110.00	4429.00
1329.00	5308.00
1768.00	7061.00
2243.00	8964.00

Food Safe

PTFE

Exceptional chemical resistance, excellent dielectric properties and the lowest friction coefficient.
 Virgin PTFE has poor mechanical properties (filled grades such as Glass, Carbon & Bronze are better)
Our Virgin PTFE meets FDA, ISO 13001, USA Military and many other international standards.
 Maximum continuous operating temperature is 260 deg.C

PEEK

Rods		Natural		30% Glass	HPV-PVX
Tol mm	Ø mm	BEIGE £ / m		BEIGE £ / m	BLACK £ / m
+0.1 +0.6	6	15.40			
+0.1 +0.7	8	23.10			
	10	33.30	<i>PEEK</i>	65.00	65.00
+0.2 +0.8	12	49.60			90.00
	16	82.50	<i>Tubes</i>	175.00	
+0.2 +0.8	18	105.00			
	20	115.00	<i>Are</i>	205.00	205.00
+0.2 +1.0	22	140.00			
	25	179.00	<i>Available</i>		395.00
+0.2 +1.0	28	235.00			
	30	250.00		425.00	425.00
+0.2 +1.2	32	279.00			
	36	359.00			
+0.2 +1.3	40	435.00		725.00	725.00
	45	555.00			
+0.3 +1.3	50	645.00		1165.00	1165.00
	56	810.00			
+0.3 +1.6	60	935.00		1685.00	1685.00
	70	1265.00			
+0.4 +2.2	80	1655.00		2845.00	
	90	2095.00			
+0.6 +2.5	100	2585.00		4495.00	
+0.8 +3.5	125	4050.00			
+1.0 +4.2	150	5925.00			
+1.2 +5.0	180	9075.00			
+1.3 +5.5	200	11175.00			

Sheets

		Natural
Tol mm	Thick mm	BEIGE £ / sheet
		1000 x 620
+0.2+0.7	6	1435.00
+0.2+0.9	8	1905.00
	10	2348.00
+0.3+1.5	12	2873.00
	16	3763.00
	20	4654.00
	25	5769.00
+0.5+2.5	30	7014.00
	40	8522.00
	45	9228.00
	50	11478.00

Food Safe

PEEK (Natural)

Highest toughness & impact resistance.
Excellent chemical resistance.
Flamability - VO Rated

PEEK GF30:-

Higher stiffness and creep resistance.
Better dimensional stability.

PEEK HPV (Carbon+PTFE+Graphite):

Excellent bearing material.

Approvals - PEEK (Natural)

10/2001/EC

FDA

USP Class VI*

PVDF

Rods

Ø mm	NATURAL £ / m
10	18.50
12	25.00
16	35.00
20	50.00
25	75.00
30	105.00
35	145.00
40	175.00
45	225.00
50	275.00
60	385.00
70	525.00
80	675.00
90	855.00
100	1025.00
110	1235.00
125	1585.00
140	1995.00
150	2285.00
180	3575.00
200	5275.00
250	8075.00

Length: Ø 10-125 = 3m, Ø140-250 = 1m

Black PVDF Rods
Also Available

Natural PVDF is **Food Safe**

Also Available
PVDF Tubes

Sheets

Thick mm	NATURAL £ / sheet
	1000 x 610
10	995.00
12	1175.00
16	1525.00
20	1825.00
25	2225.00
30	2750.00
40	3525.00
50	4175.00
60	5000.00

Sheet Sizes
available
3000 x 610
1000 x 1000
2000 x 1000

PVDF has excellent chemical and hydrolysis resistance as well as good electrical properties. Like PTFE it is a fluoropolymer but **PVDF's mechanical strength, stiffness and creep resistance is better**. It offers outstanding UV and weather resistance and is **FDA compliant**. Max operating temp is **150°C**. **UL94 V.0** flammability rating.

Phenolic Cotton

∅ mm	Med. Weave "W" £ / m	Fine Weave "C" £ / m
10	38.80	43.00
12	44.00	49.70
15	45.10	52.80
20	48.60	60.30
25	57.70	74.00
30	69.40	96.00
35	97.00	133.00
40	121.00	164.00
45	134.00	183.00
50	159.00	219.00
55	224.00	
60	229.00	303.00
70	276.00	335.00
80	330.00	410.00
90	369.00	525.00
100	473.00	650.00

Nema Spec - C Nema Spec - L

Fine Weave Rods PF CC 41 to DIN EU 61212
 Medium Weave Rods PF CC 42 to DIN EU 61212

Paper

∅ mm	PF CP £ / m
13	35.00
16	50.00
20	65.00
25	78.50
32	85.00



All standard stock Phenolics are ROHS compliant

Phenolic

Cotton

Thick mm	Med. Weave "W" £ / sheet	Fine Weave "C" £ / sheet
2150 x 1020		
1		255.00
1.5		300.00
2	178.90	333.00
3	208.00	391.00
4	262.00	521.00
5	318.00	630.00
6	381.00	755.00
8	492.00	972.00
10	596.00	1172.00
12	715.00	1406.00
15	889.00	1749.00
1070 x 1020		
20	596.00	1128.00
25	717.00	1406.00
30	859.00	1684.00
35	1009.00	
40	1151.00	
50	1381.00	
60	1657.00	
80	2855.00	

Health warning:

Operators **must** wear respiratory masks when cutting/machining Phenolic/glass filled materials

Paper

Epoxy Glass

Thick mm	PF CP 202 "K" £ / sheet	EP GC £ / sheet
2150 x 1020		1070 x 1020
1	90.00	155.00
1.5	100.00	164.00
2	110.00	180.00
3	145.00	173.00
4	180.00	214.00
5	222.00	280.00
6	266.00	334.00
8	355.00	435.00
10	443.00	534.00
12	498.00	641.00
15	622.00	795.00
1070 x 1020		
20	415.00	1031.00
25	519.00	
30	622.00	

Cast Acrylic

Rods

∅ mm	TRANSPARENT £ / m
4	10.10
5	10.50
6	11.00
8	12.50
10	13.50
12	15.90
15	19.20
18	21.50
20	22.10
25	31.00
30	42.80
35	54.40
40	66.80
45	79.90
50	95.70
55	116.30
60	125.00
65	144.20
70	162.00
75	181.00
80	202.00
85	246.00
90	269.00
100	312.00
110	446.00
120	662.00
130	834.00
140	1007.00
150	1151.00
200	2208.00

Sheets

Thick mm	TRANSPARENT £ / sheet
2030 x 1520	
3	165.00
4	220.00
5	275.00
6	325.00
8	425.00
10	495.00
12	595.00
15	650.00
20	825.00
25	1050.00
30	1375.00
35	1585.00
2020 x 1320	
40	1650.00
45	POA
50	2050.00
60	2500.00

Note:

Our **Acrylic** rods & sheets are **CAST** and not extruded, which means less stress / tension in the material. Rods and sheets are all protected with PE film.

Polycarbonate

Clear Rods

Tol mm	∅ mm	Optically Clear £ / m
+0.1 +1.3	20	20.60
+0.1 +1.5	25	27.50
+0.1 +1.6	30	37.50
+0.1 +1.9	40	68.60
+0.1 +2.5	50	105.00
+0.1 +2.8	60	139.00
+0.1 +3.0	70	196.00
+0.1 +3.0	80	243.00
+0.5 +4.5	100	386.00
	120	565.00
+0.8 +5.0	150	747.00
+1.2 +5.0	180	1150.00
+1.3 +6.5	200	1585.00

Food Safe

Sheets

Tol mm	Thick mm	Transparent £ / sheet
		2050 x 1520
-0.10 +0.20	2	146.40
-0.15 +0.30	3	160.00
-0.20 +0.40	4	200.00
-0.25 +0.50	5	250.00
-0.30 +0.60	6	290.00
-0.40 +0.80	8	373.00
-0.50 +1.0	10	498.00
-0.60 +1.2	12	572.00
Tol mm	Thick mm	Opaque £ / sheet
		3000 x 500
+0.3 +1.5	16	1000.00
	20	1250.00
	25	1550.00
+0.5 +2.5	30	1850.00
	40	2462.00
	50	3067.00

Machining Tips:

Using coolant other than air or water may cause stress cracking

which may not be seen at the time of machining.

ABS

Rods

Tol mm	Ø mm	Natural £ / m
+0.1 +1.1	10	8.50
+0.1 +1.5	15	12.50
+0.1 +1.6	20	17.90
+0.1 +1.7	30	32.70
+0.1 +1.9	40	52.00
+0.1 +2.5	50	76.90
+0.1 +3	60	103.50
+0.1 +4.2	80	177.10
+0.3 +5.3	100	267.40
+0.3 +5.3	120	364.00
+0.3 +5.3	150	545.00



Food Safe

Natural Sheets 20mm - 50mm thick
Black ABS Also Available

NORYL

Rods

Tol mm	Ø mm	Natural
		LIGHT GREY £ / m
+0.1+0.5	10	9.90
+0.2+0.9	20	18.40
+0.2+1.2	30	36.70
+0.2+1.6	40	63.00
+0.3+2.0	50	91.10
+0.3+2.5	60	118.20
+0.4+3.0	80	210.00

Length: Ø 10-60 mm = 3m, others 1m

+30% Glass

+30% Glass	
BEIGE	
£ / m	
15.00	
39.00	
71.50	
112.10	
164.00	
222.00	

Sheets

Tol mm	Thick mm	Natural
		LIGHT GREY £ / m
		1000 x 500
+0.2+1.1	10	250.00
+0.3+1.8	15	351.00
+0.5+3.0	20	452.00

+30% Glass

+30% Glass	
BEIGE	
£ / m	
1000 x 500	
622.00	
819.00	

Noryl®

Good dimensional stability (low moisture absorption)

Excellent electrical **properties** and high impact strength

Maximum continuous operating temp. is 90 deg.C

Machining Noryl®

Using coolant **other than air or water** may cause stress cracking which may not be seen at the time of machining.

ULTEM

Rods		Ultem®	+30% Glass	Sheets	Ultem®
∅		AMBER	BROWN	Thick	AMBER
Inch		£ / foot	£ / foot	Inch	£ / sheet
3/8"		12.50			24" x 24"
1/2"		20.00	25.00	1/2"	1500.00
3/4"		45.00	52.50	3/4"	2025.00
1"		75.00	82.25	1"	2750.00
1 ¼"		125.00	135.00	1 ½"	3775.00
1 ½"		155.00	165.00	2"	4650.00
1 ¾"		165.00	185.00		
2"		215.00	235.00		
2 ½"		385.00	425.00		
3"		425.00	515.00		

Black rods also available

Polysulphone (PSU)

∅	AMBER
mm	£ / m
20	44.50
25	56.50
30	78.80
40	142.00
50	226.00
60	314.00
80	566.00
100	886.00

PEI (Ultem®) & PSU

Both maintain high mechanical strength & creep resistance at higher temperatures & offer good

Ultem® has slightly better chemical & wear resistance Ultem & PSU are FDA & USP Class 6 compliant.

Machining PEI & PSU

Using coolants other than air or water **may cause stress cracking**, which may not be seen at the time of machining.



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Zero to Landfill Achievement

Proudly attained by

Plastim Ltd

In recognition of achieving Zero Waste to Landfill status, at their Staverton site, in partnership with Printwaste Waste Management

Start Date: 1st May 2018

Signed: 

Job Title: Sales Director

Issued: May 2018



01242 588600



sales@printwaste.co.uk



printwaste.co.uk

