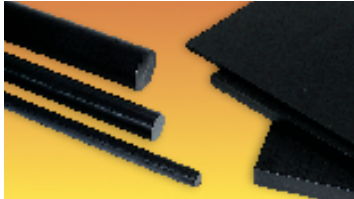




Sheet Thickness	Size	Order Code	Price Each					
			1+	5+	10+	20+	50+	100+
8.0	500 x 500	715-4641						
10.0	500 x 500	715-4653						
12.7	500 x 500	715-4665						
15.0	500 x 500	715-4677						
20.0	500 x 500	715-4689						
25.4	500 x 500	715-4690						
30.0	500 x 500	715-4458						
35.0	500 x 500	715-4460						
40.0	500 x 500	715-4471						
45.0	500 x 500	715-4483						
50.8	500 x 500	715-4495						

All dimensions are approximate

Mo₂ Filled Cast Nylon



- Self lubricating
- Excellent abrasion and wear resistance
- Good tensile and impact strength
- High mechanical strength
- Good chemical resistance
- Lightweight
- Anti-friction properties

This is a grade of cast nylon in which the rate of crystallisation is improved by the addition of molybdenum disulphide. The superficial hardness increases and simultaneously the anti-friction properties are enhanced. Combined with the self lubricating qualities gained from the Mo₂ additive, this has a significant improvement on the wear resistance of the product. The resistance to heat and the maximum long term service temperature is also improved over the basic grade.

Applications include: Bearings, bushes, gears, rollers, wear pads and cams.

Specific gravity	1.14
Water absorption (Saturation)	<6%
Tensile strength 23°C	740-920 kg/cm ²
Flexural strength 23°C	1050-1100 kg/cm ²
Modulus of elasticity 23°C	23-30000 kg/cm ²
Hardness (Shore D) 23°C	80-85
Coefficient of friction	0.30-0.35
General service temp. short term	-40 to +140°C
General service temp. long term	-40 to +120°C
Melting point	220 to 225°C
Flammability	Self extinguishing
Dielectric strength short term	>12 kV/mm
Volume resistivity	>10 ¹² Ωcm
Grade Colour	Black

Figures shown above are generally reliable within the latitude of the tests (without warranty)

NYLACAST

Acetal Copolymer Natural



- High rigidity
- Good impact resistance
- Low moisture absorption
- Continuous working temperature 100°C (Max. 140°C)
- Good chemical resistance (pH5-11)
- Excellent dimensional stability
- Ideal for close tolerance parts
- Natural white colour

This proven engineering material has a good combination of all round properties, distinguished by its low moisture absorption and excellent machinability.

Applications include: pump housing, impellers, gears, bearings, valves, valve seats, domestic applications, electrical components.

Specific gravity	1.41	Shear strength	53 N/mm ²
Water absorption	0.22% in 24 hrs	Hardness (Rockwell R)	120
Tensile strength	62 N/mm ²	Melt point	165°C
Tensile modulus	2795 N/mm ²	Max. service temperature (5000 hrs)	115°C
Elongation	60%	Min. service temperature	-50°C
Flexural strength	90 N/mm ²	Linear thermal expansion coefficient	12.5 x 10 ⁻⁵ K ⁻¹
Flexural modulus	2585 N/mm ²	Flammability	Slow burning

EMA18

Ø mm	Qty Per Pack	Order Code	Price Per Pack		
			1+	5+	20+
Rod 1 Metre length					
6	5	520-986			
10	5	520-998			
15	3	521-000			
20	2	521-012			
25	2	521-024			
30	1	716-8391			
36	1	716-8408			
40	1	716-8410			
45	1	716-8421			
50	1	716-8433			
56	1	716-8445			
60	1	716-8457			
65	1	716-8469			
Sheet Size					
8 x 500 x 305	2	521-036			
10 x 500 x 305	1	521-048			
16 x 500 x 305	1	521-050			
25 x 500 x 305	1	521-061			
20 x 500 x 305	1	716-8500			
30 x 500 x 305	1	716-8512			
35 x 500 x 305	1	716-8524			
40 x 500 x 305	1	716-8536			

All dimensions are approximate

continued

Rod Ø mm	Length	Order Code	Price Each					
			1+	5+	10+	20+	50+	100+
65	1000	715-5529						
70	1000	715-5530						
75	1000	715-5542						
80	1000	715-5554						
85	1000	715-5566						
90	1000	715-5578						
95	1000	715-5347						
100	1000	715-5359						
110	500	715-5360						
120	500	715-5372						
130	500	715-5384						
140	500	715-5396						
150	500	715-5402						

Sheet Thickness	Size	Order Code	Price Each					
			1+	5+	10+	20+	50+	100+
8.0	500 x 500	715-5414						
10.0	500 x 500	715-5426						
12.7	500 x 500	715-5438						
15.0	500 x 500	715-5440						
20.0	500 x 500	715-5451						
25.4	500 x 500	715-5463						
30.0	500 x 500	715-5475						
35.0	500 x 500	715-5487						
40.0	500 x 500	715-5499						
45.0	500 x 500	715-5505						
50.8	500 x 500	715-5517						

All dimensions are approximate

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