

Techmer ES HiFill® PA6/6 0177 Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Unspecified Filler/Reinfor Features: High Specific Gravity Processing

Method: Injection Molding Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PA66-0177-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.77 g/cc	0.0639 lb/in ³	ASTM D792
Water Absorption	0.35 % @Time 86400 sec	0.35 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.018 cm/cm @Thickness 3.17 mm	0.018 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	75.2 MPa	10900 psi	ASTM D638
Elongation at Yield	2.0 %	2.0 %	ASTM D638
Flexural Yield Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	7.93 GPa	1150 ksi	ASTM D790
Izod Impact, Notched	0.374 J/cm @Thickness 3.17 mm	0.700 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	152 Â°C	305 Â°F	Unannealed; ASTM D648

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