

Techmer ES HiFill® PA6/6 0146 A Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Copper Filler Features: High Specific Gravity Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PA66-0146-A-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in ³	ASTM D792
Water Absorption	0.10 % @Time 86400 sec	0.10 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0030 cm/cm @Thickness 3.17 mm	0.0030 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	47.6 MPa	6900 psi	ASTM D638
Elongation at Break	1.0 %	1.0 %	ASTM D638
Flexural Strength	50.3 MPa	7300 psi	ASTM D790
Flexural Modulus	5.52 GPa	800 ksi	ASTM D790
Izod Impact, Notched	0.481 J/cm @Thickness 3.17 mm	0.900 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	174 Â°C	345 Â°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	82.2 Â°C	180 Â°F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+7 - 1.00e+11 ohm-cm	1.00e+7 - 1.00e+11 ohm-cm	ASTM D257

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