

Techmer ES HiFill® PEI GF20 20% Glass Filled

Category : Polymer , Thermoplastic , Polyetherimide (PEI) , Polyetherimide (PEI), 20% Glass Fiber

Material Notes:

Availability: North America
Forms: Pellets
Filler/Reinforcement: Glass Fiber Reinforcement, 20% Filler by Weight
Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PEI-GF20-20-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ASTM D792
Water Absorption	0.22 % @Time 86400 sec	0.22 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0040 cm/cm @Thickness 3.17 mm	0.0040 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	148 MPa	21500 psi	ASTM D638
Flexural Strength	217 MPa	31500 psi	ASTM D790
Flexural Modulus	6.55 GPa	950 ksi	ASTM D790
Izod Impact, Notched	0.801 J/cm @Thickness 3.17 mm	1.50 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	213 Â°C	415 Â°F	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

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