

## Techmer ES HiFill<sup>®</sup> PEI GF10 10% Glass Filled

Category : Polymer , Thermoplastic , Polyetherimide (PEI) , Polyetherimide (PEI), 10% Glass Fiber

**Material Notes:**

Availability: North America  
 Forms: Pellets  
 Filler/Reinforcement: Glass Fiber Reinforcement, 10% 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-GF10-10-Glass-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PEI-GF10-10-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.22 % @Time 86400 sec	0.22 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0050 cm/cm @Thickness 3.17 mm	0.0050 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	121 MPa	17500 psi	ASTM D638
Flexural Strength	203 MPa	29500 psi	ASTM D790
Flexural Modulus	5.17 GPa	750 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.17 mm	1.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

## Contact Songhan Plastic Technology Co.,Ltd.

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