

## Techmer ES HiFill<sup>®</sup> PA6 GF50 RM LE 50% Glass Filled (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 50% Glass Fiber Filled

### Material Notes:

Availability: North America  
Forms: Pellets  
Filler/Reinforcement: Glass Fiber Reinforcement, 50% Filler by Weight  
Additive: Lubricant  
Features: Low Extractables, Low Moisture Absorption and Lubricated  
Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-HiFill-PA6-GF50-RM-LE-50-Glass-Filled-Conditioned.php](http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PA6-GF50-RM-LE-50-Glass-Filled-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.56 g/cc	0.0564 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.55 % @Time 86400 sec	0.55 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0025 cm/cm @Thickness 3.17 mm	0.0025 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	203 MPa	29500 psi	ASTM D638
Elongation at Break	3.2 %	3.2 %	ASTM D638
Flexural Strength	276 MPa	40000 psi	ASTM D790
Flexural Modulus	12.1 GPa	1750 ksi	ASTM D790
Izod Impact, Notched	2.14 J/cm @Thickness 3.17 mm	4.00 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	NB @Thickness 3.17 mm	NB @Thickness 0.125 in	ASTM D256

## Contact Songhan Plastic Technology Co.,Ltd.

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