

**Techmer ES HiFill® PA6 GF50 HS L 50% Glass Filled (Conditioned)**

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

**Material Notes:**

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

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.75 % @Time 86400 sec	0.75 % @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	193 MPa	28000 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	269 MPa	39000 psi	ASTM D790
Flexural Modulus	10.7 GPa	1550 ksi	ASTM D790
Izod Impact, Notched	2.67 J/cm @Thickness 3.17 mm	5.00 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	NB @Thickness 3.17 mm	NB @Thickness 0.125 in	ASTM D256

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