

## Techmer ES HiFill® PA6/6 GF33 SL5 33% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled , Nylon 66, Heat Stabilized

### Material Notes:

Availability: North America  
Forms: Pellets  
Filler/Reinforcement: Glass Fiber Reinforcement, 33% Filler by Weight  
Additive: Silicone Lubricant and Heat Stabilizer  
Features: Lubricated and Heat Stabilized  
Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-HiFill-PA66-GF33-SL5-33-Glass-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PA66-GF33-SL5-33-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.95 % @Time 86400 sec	0.95 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0040 - 0.0070 cm/cm @Thickness 3.17 mm	0.0040 - 0.0070 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D785
Tensile Strength, Yield	172 MPa	25000 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Strength	214 MPa	31000 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	0.854 J/cm @Thickness 3.17 mm	1.60 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	19.8 Åµm/m-Å°C	11.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	255 Å°C	491 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	250 Å°C	482 Å°F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Dielectric Strength	19.3 kV/mm	490 kV/in	Method A (Short-Time); ASTM D149

## **Contact Songhan Plastic Technology Co.,Ltd.**

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