

## Techmer ES HiFill<sup>®</sup> PA6/6 GF33 BK 33% Glass Filled (Dry)

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: Lubricant and Heat Stabilizer  
Features: Lubricated and Heat Stabilized  
Appearance: Black  
UL File Number: E157318  
Information provided by TP Composites, Inc.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.8 % @Time 86400 sec	1.8 % @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
Hardness, Rockwell R	115	115	ASTM D785
Tensile Strength, Yield	172 MPa	25000 psi	ASTM D638
Elongation at Break	4.2 %	4.2 %	ASTM D638
Flexural Strength	172 MPa	25000 psi	ASTM D790
Flexural Modulus	8.62 GPa	1250 ksi	ASTM D790
Izod Impact, Notched	1.28 J/cm @Thickness 3.17 mm	2.40 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	19.8 Åm/m-Å°C	11.0 Åin/in-Å°F	ASTM D696
Melting Point	232 Å°C	450 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	227 Å°C	440 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	219 Å°C	426 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric 15 ohm-cm	English 5 ohm-cm	Comments
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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