

## Techmer ES HiFill® PA6/6,6 GF33 HS L BK 33% Glass Filled

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

### Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Glass Fiber Reinforcement, 33% Filler by Weight Additive:

Lubricated Features: Lubricated Processing Method: Injection Molding Appearance: Black Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-HiFill-PA666-GF33-HS-L-BK-33-Glass-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PA666-GF33-HS-L-BK-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	0.80 % @Time 86400 sec	0.80 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0020 cm/cm @Thickness 3.17 mm	0.0020 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Yield	179 MPa	26000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	276 MPa	40000 psi	ASTM D790
Flexural Modulus	8.69 GPa	1260 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	14.4 Åm/m-Å°C	8.00 Åin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	232 Å°C	450 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	218 Å°C	425 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

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