

Techmer ES HiFill FR[®] PA6/6 GF33 FR-N 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, 30% Filler by Weight Features: Flame Retardant and Halogen

Free Appearance: Black Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-FR-PA66-GF33-FR-N-BK-33-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in ³	ASTM D792
Water Absorption	0.58 %	0.58 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	121	121	ASTM D785
Tensile Strength, Yield	162 MPa	23500 psi	ASTM D638
Elongation at Break	2.2 %	2.2 %	ASTM D638
Flexural Strength	228 MPa	33000 psi	ASTM D790
Flexural Modulus	9.65 GPa	1400 ksi	ASTM D790
Izod Impact, Notched	0.961 J/cm	1.80 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	19.8 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	11.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	254 $\text{Å}^\circ\text{C}$	490 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	252 $\text{Å}^\circ\text{C}$	485 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

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

Electrical Properties

Metric //mm

English /in

Comments (Short-Time); ASTM D149

Contact Songhan Plastic Technology Co.,Ltd.

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