

Techmer ES HiFill[®] ABS GF40 40% Glass Filled

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 40% Glass Fiber Filled

Material Notes:

Availability: North America
Forms: Pellets
Filler/Reinforcement: Glass Fiber Reinforcement, 40% Filler by Weight
Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-ABS-GF40-40-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ASTM D792
Water Absorption	0.12 % @Time 86400 sec	0.12 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0010 cm/cm @Thickness 3.17 mm	0.0010 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	107 MPa	15500 psi	ASTM D638
Elongation at Break	3.3 %	3.3 %	ASTM D638
Flexural Strength	141 MPa	20500 psi	ASTM D790
Flexural Modulus	9.65 GPa	1400 ksi	ASTM D790
Izod Impact, Notched	1.12 J/cm @Thickness 3.17 mm	2.10 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	5.87 J/cm @Thickness 3.17 mm	11.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	28.8 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	16.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	112 $\text{Å}^\circ\text{C}$	233 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	106 $\text{Å}^\circ\text{C}$	223 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257

Dielectric Strength Electrical Properties	17.7 kV/mm Metric	450 kV/in English	Method A (Short-Time); ASTM D149 Comments
--	----------------------	----------------------	--

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China