

Techmer ES HiFill® PPA GF33 HS L 33% Glass Filled

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), 30% Glass Fiber Reinforced

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PPA-GF33-HS-L-33-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ASTM D792
Water Absorption	0.29 % @Time 86400 sec	0.29 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.010 cm/cm @Thickness 3.17 mm	0.010 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	172 MPa	25000 psi	ASTM D638
Elongation at Break	2.3 %	2.3 %	ASTM D638
Flexural Yield Strength	241 MPa	35000 psi	ASTM D790
Flexural Modulus	11.2 GPa	1620 ksi	ASTM D790
Izod Impact, Notched	0.747 J/cm @Thickness 3.17 mm	1.40 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	72.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	40.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	300 $\text{Å}^\circ\text{C}$	572 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+17 ohm-cm	1.00e+17 ohm-cm	ASTM D257
Dielectric Strength	20.5 kV/mm	520 kV/in	Method A (Short-Time); ASTM D149

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