

Techmer ES HiFill[®] PA4/6 GF25 HS NAT 25% Glass Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 46 , Nylon 46, Glass Fiber Reinforced

Material Notes:

Availability: North America
Forms: Pellets
Filler/Reinforcement: Glass Fiber Reinforcement, 25% Filler by Weight
Additive: Heat Stabilizer
Features: Heat Stabilized
Appearance: Natural Color
Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PA46-GF25-HS-NAT-25-Glass-Filled-Dry.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ASTM D792
Water Absorption	1.5 % @Time 86400 sec	1.5 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0070 cm/cm @Thickness 3.17 mm	0.0070 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	186 MPa	27000 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	221 MPa	32000 psi	ASTM D790
Flexural Modulus	8.27 GPa	1200 ksi	ASTM D790
Izod Impact, Notched	0.961 J/cm @Thickness 3.17 mm	1.80 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	18.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	10.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
Melting Point	295 $\text{Å}^\circ\text{C}$	563 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	291 $\text{Å}^\circ\text{C}$	555 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	10000 ohm-cm	10000 ohm-cm	ASTM D257
Dielectric Strength	23.6 kV/mm	600 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