

Techmer ES HiFill[®] PA4/6 CF40 HS 40% Carbon Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 46

Material Notes:

Availability: North America
Forms: Pellets
Filler/Reinforcement: Carbon Fiber Reinforcement, 40% Filler by Weight
Additive: Heat Stabilizer
Features: Heat Stabilized
Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PA46-CF40-HS-40-Carbon-Filled-Dry.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ASTM D792
Water Absorption	1.9 % @Time 86400 sec	1.9 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0015 cm/cm @Thickness 3.17 mm	0.0015 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	276 MPa	40000 psi	ASTM D638
Elongation at Break	1.5 %	1.5 %	ASTM D638
Flexural Strength	434 MPa	63000 psi	ASTM D790
Flexural Modulus	26.9 GPa	3900 ksi	ASTM D790
Izod Impact, Notched	0.801 J/cm @Thickness 3.17 mm	1.50 ft-lb/in @Thickness 0.125 in	ASTM D256

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 1.8 MPa (264 psi)	285 $\text{Å}^\circ\text{C}$	545 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	10 ohm-cm	10 ohm-cm	ASTM D257

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