

Techmer ES HiFill® PA6 GF60 L BK 60% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 60% Glass Fiber Filled

Material Notes:

Availability: North America
Forms: Pellets
Filler/Reinforcement: Glass Fiber Reinforcement, 60% Filler by Weight
Additive: Lubricant
Features: Lubricated
Appearance: Black
Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PA6-GF60-L-BK-60-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in ³	ASTM D792
Water Absorption	0.70 % @Time 86400 sec	0.70 % @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
Hardness, Rockwell R	121	121	ASTM D785
Tensile Strength, Yield	230 MPa	33300 psi	ASTM D638
Elongation at Break	1.8 %	1.8 %	ASTM D638
Flexural Strength	338 MPa	49000 psi	ASTM D790
Flexural Modulus	20.0 GPa	2900 ksi	ASTM D790
Izod Impact, Notched	1.55 J/cm @Thickness 3.17 mm	2.90 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	12.3 J/cm @Thickness 3.17 mm	23.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	12.6 Åµm/m-Å°C	7.00 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	218 Å°C	425 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	216 Å°C	420 Å°F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Volume Resistivity Electrical Properties	5.00e+15 ohm-cm Metric	5.00e+15 ohm-cm English	ASTM D257 Comments
Dielectric Strength	18.9 kV/mm	480 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