

Techmer ES HiFill[®] PA6 GF/M15 A1 BK 15% Glass/Mineral Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Glass/Mineral Reinforced , Nylon 6, Heat Stabilized

Material Notes:

Availability: North America
Forms: Pellets
Filler/Reinforcement: Glass/Mineral, 15% Filler by Weight
Additive: Heat Stabilizer
Features: Heat Stabilized
Appearance: Black
Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PA6-GFM15-A1-BK-15-GlassMineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ASTM D792
Water Absorption	0.85 % @Time 86400 sec	0.85 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.015 cm/cm @Thickness 3.17 mm	0.015 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	75.8 MPa	11000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	117 MPa	17000 psi	ASTM D790
Flexural Modulus	2.83 GPa	410 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm @Thickness 3.17 mm	1.10 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	52.2 Åµm/m-Å°C	29.0 Åµin/in-Å°F	ASTM D696
Melting Point	216 Å°C	420 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	199 Å°C	390 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	132 Å°C	270 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric 14 ohm-cm	English 4 ohm-cm	Comments
Dielectric Strength	20.5 kV/mm	520 kV/in	Method A (Short-Time); ASTM D149

Contact Songhan Plastic Technology Co.,Ltd.

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