Techmer ES HiFill FRÂ® PA6/6 GF30 FR BK 30% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled , Nylon 66, Heat Stabilized

Material Notes:

Availability: North AmericaForms: PelletsFiller/Reinforcement: Glass Fiber, 30% Filler by WeightAdditive: Heat Stabilizer and LubricantFeatures: Flame Retardant, Lubricated and Heat StabilizedAppearance: BlackInformation provided by TP Composites, Inc.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-FR-PA66-GF30-FR-BK-30-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.67 g/cc	0.0603 lb/inÂ³	ASTM D792
Water Absorption	0.70 % @Time 86400 sec	0.70 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0030 cm/cm @Thickness 3.17 mm	0.0030 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength, Yield	159 MPa	23000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	221 MPa	32000 psi	ASTM D790
Flexural Modulus	10.7 GPa	1550 ksi	ASTM D790
Izod Impact, Notched	1.12 J/cm @Thickness 3.17 mm	2.10 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	34.2 Âµm/m-Â°C	19.0 Âµin/in-Â°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	250 Â°C	482 Â°F	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	ASTM D257

Electrical Properties	Metric	English	Comments
Dielectric Strength	17.7 kV/mm	450 kV/in	Method A (Short-Time); ASTM D149

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