Techmer ES ElastoblendÂ® PA6/6 GF30 IM2 30% Glass Filled

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

Material Notes:

Availability: North AmericaForms: PelletsFiller/Reinforcement: Glass Fiber Reinforcement, 30% Filler by WeightAdditive: Heat Stabilizer, Lubricant and Impact ModifierFeatures: Heat Stabilized, Lubricant and Impact ModifiedTPCI# 9869101Information provided by TP Composites, Inc.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Techmer-ES-Elastoblend-PA66-GF30-IM2-30-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/inÂ³	ASTM D792
Water Absorption	0.30 % @Time 86400 sec	0.30 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0050 cm/cm @Thickness 3.17 mm	0.0050 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	111	111	ASTM D785
Tensile Strength, Yield	145 MPa	21000 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	206 MPa	29900 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	1.87 J/cm @Thickness 3.17 mm	3.50 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	79.2 Âµm/m-Â°C	44.0 Âµin/in-Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	254 Â°C	490 Â°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	249 Â°C	480 Â°F	Unannealed; ASTM D648
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	ASTM D257
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	ASTM D257
Dielectric Strength	17.3 kV/mm	440 kV/in	Method A (Short-Time); ASTM D149

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