

Techmer ES Elastoblend® PA6 GF30 IM HS L 30% Glass Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled , Nylon 6, Impact Grade

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Glass Fiber Reinforcement, 30% Filler by Weight Additive: Impact Modifier

Features: Impact Modified Processing Method: Injection Molding Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Elastoblend-PA6-GF30-IM-HS-L-30-Glass-Filled-Dry.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	ASTM D792
Water Absorption	1.5 % @Time 86400 sec	1.5 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0012 cm/cm @Thickness 3.17 mm	0.0012 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	145 MPa	21100 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	234 MPa	34000 psi	ASTM D790
Flexural Modulus	8.27 GPa	1200 ksi	ASTM D790
Izod Impact, Notched	1.33 J/cm @Thickness 3.17 mm, Temperature -40.0 °C	2.50 ft-lb/in @Thickness 0.125 in, Temperature -40.0 °F	ASTM D256
	1.92 J/cm @Thickness 3.17 mm, Temperature 22.8 °C	3.60 ft-lb/in @Thickness 0.125 in, Temperature 73.0 °F	ASTM D256
Izod Impact, Unnotched	13.9 J/cm @Thickness 3.17 mm	26.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	36.0 µm/m-°C	20.0 µin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	Unannealed; ASTM D648

Flammability 18 94 Thermal Properties	HB Metric	HB English	Comments
Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+12 ohm-cm	2.00e+12 ohm-cm	ASTM D257
Dielectric Strength	15.4 kV/mm	390 kV/in	Method A (Short-Time); ASTM D149

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