

Techmer ES Elastoblend® PA6/6 GF33 IM L NAT001 33% Glass Filled

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

Material Notes:

Availability: North America
Forms: Pellets
Filler/Reinforcement: Glass Fiber Reinforcement, 33% Filler by Weight
Additive: Lubricant and Impact Modifier
Features: Lubricant and Impact Modified
Appearance: Black
TPCI# 9382101
Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Elastoblend-PA66-GF33-IM-L-NAT001-33-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ASTM D792
Water Absorption	0.50 % @Time 86400 sec	0.50 % @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	122	122	ASTM D785
Tensile Strength, Yield	152 MPa	22000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	228 MPa	33000 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	1.33 J/cm @Thickness 3.17 mm	2.50 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	82.8 Åµm/m-Å°C	46.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	260 Å°C	500 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	246 Å°C	475 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
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Volume Resistivity Electrical Properties	1.00e+14 ohm-cm Metric	1.00e+14 ohm-cm English	ASTM D257 Comments
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	ASTM D257
Dielectric Strength	18.9 kV/mm	480 kV/in	Method A (Short-Time); ASTM D149

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