

Techmer ES Elastoblend® PA6/6 GF17 IM2 L 17% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled , Nylon 66, Glass Reinforced, Impact Grade

Material Notes:

Availability: North America
Forms: Pellets
Filler/Reinforcement: Glass Fiber Reinforcement, 17% Filler by Weight
Additive: Lubricant and Impact Modifier
Features: Lubricant and Impact Modified
Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Elastoblend-PA66-GF17-IM2-L-17-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ASTM D792
Water Absorption	0.90 %	0.90 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0090 cm/cm	0.0090 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	111	111	ASTM D785
Tensile Strength, Yield	97.9 MPa	14200 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Strength	138 MPa	20000 psi	ASTM D790
Flexural Modulus	3.79 GPa	550 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature -40.0 °C	@Thickness 0.125 in, Temperature -40.0 °F	
	1.71 J/cm	3.20 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 22.8 °C	@Thickness 0.125 in, Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	79.2 µm/m-°C	44.0 µin/in-°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	252 °C	485 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	220 °C	428 °F	Unannealed; ASTM D648
	HB	HB	

Flammability UL 94			
Thermal Properties	Metric	English	Comments
	@ Thickness 1.50 mm	@ Thickness 0.0591 in	
Electrical Properties			
	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Dielectric Strength	19.3 kV/mm	490 kV/in	Method A (Short-Time); ASTM D149

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