

Techmer ES Electrablend® PA6/6 03002 A MB Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Glass Fiber Filled , Nylon 66, Conductive , Nylon 66, Heat Stabilized , Nylon 66, Impact Grade

Material Notes:

Availability: North AmericaForms: PelletsFiller/Reinforcement: Glass Fiber Reinforcement/Unspecified Filler/Reinfor.Additive: Lubricant, Impact Modifier and Heat StabilizerFeatures: Lubricated, Electrically Conductive, Impact Modified and Heat StabilizedInformation provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Electrablend-PA66-03002-A-MB-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ASTM D792
Water Absorption	0.90 % @Time 86400 sec	0.90 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.012 cm/cm @Thickness 3.17 mm	0.012 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	111	111	ASTM D785
Tensile Strength, Yield	84.1 MPa	12200 psi	ASTM D638
Elongation at Break	6.0 %	6.0 %	ASTM D638
Flexural Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	3.62 GPa	525 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm @Thickness 3.17 mm, Temperature -40.0 Â°C	2.00 ft-lb/in @Thickness 0.125 in, Temperature -40.0 Â°F	ASTM D256
	1.49 J/cm @Thickness 3.17 mm, Temperature 22.8 Â°C	2.80 ft-lb/in @Thickness 0.125 in, Temperature 73.0 Â°F	ASTM D256
Izod Impact, Unnotched	NB @Thickness 3.17 mm	NB @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

Thermal Properties Deflection Temperature at 0.46 MPa (0.07 psi)	Metric 252 Â°C	English 485 Â°F	Comments Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	220 Â°C	428 Â°F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	10 - 1000 ohm-cm	10 - 1000 ohm-cm	ASTM D257
Surface Resistance	10 - 1000 ohm	10 - 1000 ohm	ASTM D257

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