

Techmer ES Electrablend® PA6/6 GF13 SS10 BK 13/10% Glass/Stainless Steel Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Glass Fiber Filled , Nylon 66, Stainless Steel Filled; EMI Grade

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Glass Fiber/Stainless Steel Reinforcement, 13/10% Filler by

Weight Features: Electromagnetic Shielding (EMI) Appearance: Black Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Electrablend-PA66-GF13-SS10-BK-1310-GlassStainless-Steel-Filled.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	ASTM D792
Water Absorption	0.60 %	0.60 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0060 cm/cm	0.0060 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	96.5 MPa	14000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	148 MPa	21500 psi	ASTM D790
Flexural Modulus	5.45 GPa	790 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	
Izod Impact, Unnotched	4.81 J/cm	9.00 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	249 °C	480 °F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	10000 ohm-cm	10000 ohm-cm	ASTM D257
Surface Resistance	10000 ohm	10000 ohm	ASTM D257

Electrical Properties	Metric	English	Comments
Static Decay	40 dB, 10 sec	40 dB, 10 sec	PTMS 101B
Shielding Effectiveness	40 dB	40 dB	ASTM D4935

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