

## Techmer ES Electrablend® PA6 04001 FR MB Glass/Stainless Steel Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 10% Glass Fiber Filled , Nylon 6 , Stainless Steel Filled

### Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Glass/Stainless Steel Fiber Additive: Lubricated Features: Electromagnetic Shielding (EMI), Lubricated, Flame Retardant and Radio Frequency Shielding (RFI) Appearance: Blue Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Electrablend-PA6-04001-FR-MB-GlassStainless-Steel-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-Electrablend-PA6-04001-FR-MB-GlassStainless-Steel-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.0 %	1.0 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	117	117	ASTM D785
Tensile Strength, Yield	131 MPa	19000 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Strength	186 MPa	27000 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
Izod Impact, Notched	0.694 J/cm	1.30 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	54.0 Åµm/m-Å°C	30.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	210 Å°C	410 Å°F	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.0 - 10 ohm-cm	1.0 - 10 ohm-cm	ASTM D257

Surface Resistance Electrical Properties	10 - 1000 ohm Metric	10 - 1000 ohm English	ASTM D257 Comments
Static Decay	<= 2.0 sec	<= 2.0 sec	FTMS 101B
Shielding Effectiveness	50 dB	50 dB	ASTM D4935

## Contact Songhan Plastic Technology Co.,Ltd.

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