

Techmer ES Electrablend[®] ABS 03106 MB Stainless Steel Filled

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Stainless Steel Fiber Filled

Material Notes:

Availability: North America
Forms: Pellets
Filler/Reinforcement: Stainless Steel Fiber
Features: Electromagnetic Shielding (EMI)
Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Electrablend-ABS-03106-MB-Stainless-Steel-Filled.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in ³	ASTM D792
Water Absorption	0.010 % @Time 86400 sec	0.010 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.017 cm/cm @Thickness 3.17 mm	0.017 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	80	80	ASTM D785
Tensile Strength, Yield	32.4 MPa	4700 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Modulus	1.14 GPa	165 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.17 mm	1.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	81.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	45.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	54.4 $\text{Å}^\circ\text{C}$	130 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.0 - 100 ohm-cm	1.0 - 100 ohm-cm	ASTM D257
Surface Resistance	1.0 - 100 ohm	1.0 - 100 ohm	ASTM D257
	50 dB	50 dB	

Shielding Effectiveness
Electrical Properties

@Frequency 3.00e+7 -
1.00e+9 Hz
Metric

@Frequency 3.00e+7 -
1.00e+9 Hz
English

ASTM D149
Comments

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China