

Techmer ES Electrablend® PC 04005 FR BK Stainless Steel Filled

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Stainless Steel Fiber

Material Notes:

Availability: North America
Forms: Pellets
Filler/Reinforcement: Stainless Steel Fiber
Features: Electromagnetic Shielding (EMI) and Flame Retardant
Appearance: Black
TPCI# 9691124
Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Electrablend-PC-04005-FR-BK-Stainless-Steel-Filled.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	ASTM D792
Water Absorption	0.10 % @Time 86400 sec	0.10 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0020 cm/cm @Thickness 3.17 mm	0.0020 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.7 MPa	9100 psi	ASTM D638
Elongation at Break	4.3 %	4.3 %	ASTM D638
Flexural Strength	107 MPa	15500 psi	ASTM D790
Flexural Modulus	2.61 GPa	379 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm @Thickness 3.17 mm	2.00 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	4.43 J/cm @Thickness 3.17 mm	8.30 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	64.8 Åµm/m-Å°C	36.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	132 Å°C	270 Å°F	Unannealed; ASTM D648
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.0 - 1000 ohm-cm	1.0 - 1000 ohm-cm	ASTM D257

Electrical Properties	Metric	English	Comments
Surface Resistance	1.0 * 1000 ohm	1.0 * 1000 ohm	ASTM D257
Static Decay	<= 0.10 sec	<= 0.10 sec	FTMS 101B
Shielding Effectiveness	50 dB	50 dB	ASTM D4935

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