

Techmer ES Electrafil® DB- 1200/S/7/FR ABS, 7% Stainless Steel Fiber Reinforced (dry blend), Flame Retardant

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

Material Notes:

Superior cost-performance when compared with other electrically conductive resins is a hallmark of Electrafil stainless steel fiber reinforced ABS. Electrafil compounds can be formulated to meet UL 94 V-0 requirements, and they provide good dimensional stability, exceptional colorability and appearance. Specify Electrafil stainless steel fiber reinforced ABS for protection from electrostatic discharge (ESD) in applications such as paper path parts for business machines, and for electromagnetic/radio frequency interference (EMI/RFI) shielding in business machine covers and hand-held electronic devices.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Electrafil-DB-1200S7FR-ABS-7-Stainless-Steel-Fiber-Reinforced-dry-blend-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	36.5 MPa	5300 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Yield Strength	59.3 MPa	8600 psi	ASTM D790
Flexural Modulus	2.41 GPa	350 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm	1.10 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)	80.0 Å°C	176 Å°F	ASTM D648
Flammability, UL94	V-0	V-0	
	@Thickness 1.59 mm	@Thickness 0.0625 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.100 - 1.00 ohm-cm	0.100 - 1.00 ohm-cm	ASTM C611
Surface Resistance	1.0 - 10 ohm	1.0 - 10 ohm	ASTM D257

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