

## Techmer ES Electrafil® DB-50/SS/6/FR Polycarbonate, 6% Stainless Steel Fiber (dry blend), Flame Retardant

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

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Electrafil-DB-50SS6FR-Polycarbonate-6-Stainless-Steel-Fiber-dry-blend-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Techmer-ES-Electrafil-DB-50SS6FR-Polycarbonate-6-Stainless-Steel-Fiber-dry-blend-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.0050 cm/cm @Thickness 3.17 mm	0.0050 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	62.1 MPa	9000 psi	ASTM D638
Elongation at Break	7.0 %	7.0 %	ASTM D638
Flexural Yield Strength	89.6 MPa	13000 psi	ASTM D790
Izod Impact, Notched	0.641 J/cm @Thickness 3.17 mm	1.20 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	138 °C	280 °F	ASTM D648
Flammability, UL94	V-0 @Thickness 1.59 mm	V-0 @Thickness 0.0625 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	10.0 - 100 ohm-cm	10.0 - 100 ohm-cm	ASTM C611
Surface Resistance	1.0 - 10 ohm	1.0 - 10 ohm	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

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