

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

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-50SS6-Polycarbonate-6-Stainless-Steel-Fiber-dry-blend.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in³	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	9.0 %	9.0 %	ASTM D638
Flexural Yield Strength	89.6 MPa	13000 psi	ASTM D790
Izod Impact, Notched	0.694 J/cm @Thickness 3.17 mm	1.30 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

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

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