

## Techmer ES Electrafil<sup>®</sup> DB-5/SS/10 Polycarbonate, 10% 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-5SS10-Polycarbonate-10-Stainless-Steel-Fiber-dry-blend.php](http://www.lookpolymers.com/polymer_Techmer-ES-Electrafil-DB-5SS10-Polycarbonate-10-Stainless-Steel-Fiber-dry-blend.php)

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.0040 cm/cm @Thickness 3.17 mm	0.0040 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	64.1 MPa	9300 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Yield Strength	96.5 MPa	14000 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 Å°C	280 Å°F	ASTM D648

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00 - 10.0 ohm-cm	1.00 - 10.0 ohm-cm	ASTM C611
Surface Resistance	0.10 - 1.0 ohm	0.10 - 1.0 ohm	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

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