

## Techmer ES Electrafil<sup>®</sup> PC-50/EC/VO Polycarbonate, Conductive Carbon Filled

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Conductive

**Material Notes:**

Conductive Carbon, Powder Modified with Flame Retardant

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Electrafil-PC-50ECVO-Polycarbonate-Conductive-Carbon-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-Electrafil-PC-50ECVO-Polycarbonate-Conductive-Carbon-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.15 %	0.15 %	24 hrs; ASTM D570
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	55.8 MPa	8100 psi	ASTM D638
Flexural Yield Strength	84.1 MPa	12200 psi	ASTM D790
Flexural Modulus	2.76 GPa	400 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.17 mm	1.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	127 Â°C	261 Â°F	ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	1000 - 1.00e+6 ohm	1000 - 1.00e+6 ohm	ASTM D4496

## Contact Songhan Plastic Technology Co.,Ltd.

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