

**Techmer ES Electrafil<sup>®</sup> ABS-1251/SD ABS, Static Dissipative Polymer Alloy**

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Electrafil-ABS-1251SD-ABS-Static-Dissipative-Polymer-Alloy.php](http://www.lookpolymers.com/polymer_Techmer-ES-Electrafil-ABS-1251SD-ABS-Static-Dissipative-Polymer-Alloy.php)

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.0060 cm/cm @Thickness 3.17 mm	0.0060 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	42.7 MPa	6200 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Yield Strength	58.6 MPa	8500 psi	ASTM D790
Flexural Modulus	2.00 GPa	290 ksi	ASTM D790
Izod Impact, Notched	1.33 J/cm @Thickness 3.17 mm	2.50 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	NB @Thickness 3.17 mm	NB @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	84.4 Å°C	184 Å°F	ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+11 ohm	1.00e+11 ohm	ASTM D257

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