

Techmer ES Electrablend® POM Acetal

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Unspecified Filler/Reinfor. Features: Conductive TPCI# 9961114 Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Electrablend-POM-Acetal.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.018 cm/cm @Thickness 3.17 mm	0.018 in/in @Thickness 0.125 in	ASTM D955
Melt Flow	2.0 g/10 min @Load 10.0 kg, Temperature 230 °C	2.0 g/10 min @Load 22.0 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	56.5 MPa	8200 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Strength	90.3 MPa	13100 psi	ASTM D790
Flexural Modulus	3.03 GPa	440 ksi	ASTM D790
Izod Impact, Notched	0.320 J/cm @Thickness 3.17 mm	0.600 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	107 °C	225 °F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	50 ohm-cm	50 ohm-cm	ASTM D257
Surface Resistance	50 ohm	50 ohm	ASTM D257

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