

Techmer ES Statiblend® PP CO 99074

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Availability: North America Forms: Pellets Feature: Copolymer and Semi Conductive UL File Number: E157318 Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Statiblend-PP-CO-99074.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in ³	ASTM D792
Melt Flow	7.0 g/10 min @Load 10.0 kg, Temperature 230 °C	7.0 g/10 min @Load 22.0 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.1 MPa	3500 psi	ASTM D638
Elongation at Yield	100 %	100 %	ASTM D638
Flexural Yield Strength	35.2 MPa	5100 psi	ASTM D790
Flexural Modulus	1.24 GPa	180 ksi	ASTM D790
Izod Impact, Notched	8.54 J/cm @Thickness 3.17 mm	16.0 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
Melting Point	166 °C	330 °F	
Deflection Temperature at 0.46 MPa (66 psi)	91.7 °C	197 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	51.7 °C	125 °F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	50 ohm-cm	50 ohm-cm	ASTM D257
Surface Resistance	200 ohm	200 ohm	ASTM D257

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