

Techmer ES Statiblend® PA6/6 02013

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Unspecified Filler Reinfor Additive: Impact Modifier Features: Conductive and Impact Modified UL File Number: E157318 TPCI# 1039101 Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Statiblend-PA66-02013.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.010 cm/cm @Thickness 3.17 mm	0.010 in/in @Thickness 0.125 in	ASTM D955
Melt Flow	1.1 g/10 min @Load 10.0 kg, Temperature 230 Â°C	1.1 g/10 min @Load 22.0 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	89	89	ASTM D785
Tensile Strength, Yield	75.8 MPa	11000 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	3.45 GPa	500 ksi	ASTM D790
Izod Impact, Notched	0.747 J/cm @Thickness 3.17 mm	1.40 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	5.34 J/cm @Thickness 3.17 mm	10.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	121 Â°C	250 Â°F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+6 - 1.00e+9 ohm-cm	1.00e+6 - 1.00e+9 ohm-cm	ASTM D257
Surface Resistance	1.00e+6 - 1.00e+9 ohm	1.00e+6 - 1.00e+9 ohm	ASTM D257

Electrical Properties	Metric	English	Comments
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