

Techmer ES Luriblend® PS 06001

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Mineral Filler/Unspecified Filler Reinfor. Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PS-06001.php

Physical Properties	Metric	English	Comments
Density	1.61 g/cc	0.0582 lb/in ³	ASTM D792
Water Absorption	0.020 % @Time 86400 sec	0.020 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.012 cm/cm @Thickness 3.17 mm	0.012 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	55.2 MPa	8000 psi	ASTM D638
Elongation at Break	0.50 %	0.50 %	ASTM D638
Flexural Strength	117 MPa	17000 psi	ASTM D790
Flexural Modulus	13.8 GPa	2000 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
CTE, linear, Parallel to Flow	59.4 Åµm/m-Å°C	33.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	199 Å°C	390 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	232 Å°C	450 Å°F	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	10 - 100 ohm-cm	10 - 100 ohm-cm	ASTM D257

Electrical Properties	Metric10 ohm	English1 ohm	Comments
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