

Techmer ES Plastiblend® PA6 SF80 L

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Availability: North America Forms: Pellets Additive: Lubricant and Strontium Ferrite (80%) Features: Lubricated Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-PA6-SF80-L.php

Physical Properties	Metric	English	Comments
Density	2.90 g/cc	0.105 lb/in ³	ASTM D792
Water Absorption	0.90 % @Time 86400 sec	0.90 % @Time 24.0 hour	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	43.4 MPa	6300 psi	ASTM D638
Elongation at Break	1.0 %	1.0 %	ASTM D638
Flexural Yield Strength	72.4 MPa	10500 psi	ASTM D790
Flexural Modulus	8.27 GPa	1200 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	34.2 Âµm/m-Â°C	19.0 Âµin/in-Â°F	ASTM D696
Melting Point	220 Â°C	428 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	116 Â°C	240 Â°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	110 Â°C	230 Â°F	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	ASTM D257

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