

Techmer ES Plastiblend® PPS/F 0328

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

Availability: North AmericaForms: Pellets Additive: Lubricant and Strontium Ferrite Features: LubricatedInformation provided by TP Composites, Inc.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-PPSF-0328.php

Physical Properties	Metric	English	Comments
Density	3.28 g/cc	0.118 lb/in ³	ASTM D792
Water Absorption	0.20 %	0.20 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.010 cm/cm	0.010 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Yield	48.3 MPa	7000 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	84.8 MPa	12300 psi	ASTM D790
Flexural Modulus	13.1 GPa	1900 ksi	ASTM D790
Izod Impact, Notched	0.267 J/cm	0.500 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	
Izod Impact, Unnotched	1.87 J/cm	3.50 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	32.4 Åµm/m-Å°C	18.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	204 Å°C	400 Å°F	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
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Volume Resistivity	1.00e+10 ohm-cm	1.00e+10 ohm-cm	ASTM D257
Electrical Properties	Metric	English	Comments

Contact Songhan Plastic Technology Co.,Ltd.

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