

Techmer ES Plastiblend® PPS 05003

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

Availability: North America Forms: Pellets Additive: Lubricant and Strontium Ferrite Features: Lubricated Unoriented Magnetic: Residual Induction, BR: 1100 Gauss Coercive Force, Hc: 750 Oersteds Intrinsic Coercive Force, Hc: 2400 Oersteds Maximum Energy Produce, Bh max: 0.2 Mega Gauss Oersteds Oriented Magnetic: Residual Induction, BR: 1500 Gauss Coercive Force, Hc: 1050 Oersteds Intrinsic Coercive Force, Hc: 2300 Oersteds Maximum Energy Produce, Bh max: 0.4 Mega Gauss Oersteds Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-PPS-05003.php

Physical Properties	Metric	English	Comments
Density	3.35 g/cc	0.121 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	44.1 MPa	6400 psi	ASTM D638
Elongation at Break	1.0 %	1.0 %	ASTM D638
Flexural Strength	75.8 MPa	11000 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 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	36.0 Åµm/m-Å°C	20.0 Åµin/in-Å°F	ASTM D696
Melting Point	271 Å°C	520 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	260 Å°C	500 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	249 Å°C	480 Å°F	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China