

Techmer ES Electrafil[®] J-1305/CF/30/TF/15 NAT PPS

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with Carbon Fiber + PTFE Filler

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Electrafil-J-1305CF30TF15-NAT-PPS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	ASTM D792
Water Absorption	0.030 %	0.030 %	24 Hrs; ASTM D570
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	172 MPa	25000 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	221 MPa	32000 psi	ASTM D790
Flexural Modulus	21.7 GPa	3150 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	266 Â°C	510 Â°F	ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	10 - 100 ohm-cm	10 - 100 ohm-cm	ASTM D648
Surface Resistivity per Square	100 - 1000 ohm	100 - 1000 ohm	ASTM D648

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