

Samsung Cheil Industries Infino[®] XP-2130A PPS

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-XP-2130A-PPS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.65 g/cc	1.65 g/cc	ASTM D792
Water Absorption	0.020 % @Temperature 23.0 Â°C	0.020 % @Temperature 73.4 Â°F	ASTM D570
Linear Mold Shrinkage, Flow	0.0030 - 0.012 cm/cm @Thickness 3.20 mm	0.0030 - 0.012 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	116 g/10 min @Load 5.00 kg, Temperature 316 Â°C	116 g/10 min @Load 11.0 lb, Temperature 601 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	127 MPa	18500 psi	5 mm/min; ASTM D638
Elongation at Break	2.5 %	2.5 %	5 mm/min; ASTM D638
Flexural Strength	196 MPa	28400 psi	2.8 mm/min; ASTM D638
Flexural Modulus	9.81 GPa	1420 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	0.785 J/cm @Thickness 6.35 mm	1.47 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	270 Â°C @Thickness 6.40 mm	518 Â°F @Thickness 0.252 in	ASTM D648
Flammability, UL94	HB @Thickness 0.750 mm	HB @Thickness 0.0295 in	
	V-0	V-0	

Thermal Properties	@Thickness 0.750 mm Metric	@Thickness 0.0295 in English	Comments
Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm @Temperature 23.0 Å°C	1.00e+16 ohm-cm @Temperature 73.4 Å°F	50% RH; ASTM D257
Dielectric Constant	4.0 @Frequency 1.00e+6 Hz	4.0 @Frequency 1.00e+6 Hz	ASTM D150
Dissipation Factor	0.0020 @Frequency 1.00e+6 Hz	0.0020 @Frequency 1.00e+6 Hz	ASTM D150

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