

Samsung Cheil Industries Infino[®] XK-2307 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-XK-2307-PPS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.70 g/cc	1.70 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0010 cm/cm @Thickness 3.20 mm	0.0010 in/in @Thickness 0.126 in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0030 cm/cm @Thickness 3.20 mm	0.0030 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	15 g/10 min @Load 5.00 kg, Temperature 330 Â°C	15 g/10 min @Load 11.0 lb, Temperature 626 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	83.4 MPa	12100 psi	5 mm/min; ASTM D638
Flexural Strength	118 MPa	17100 psi	2.8 mm/min; ASTM D638
Flexural Modulus	17.7 GPa	2560 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	0.441 J/cm @Thickness 3.17 mm	0.827 ft-lb/in @Thickness 0.125 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	V-1 @Thickness 1.50 mm	V-1 @Thickness 0.0591 in	
	V-0 @Thickness 2.00 - 3.00 mm	V-0 @Thickness 0.0787 - 0.118 in	

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