

Samsung Cheil Industries Infino[®] XP-2165BM 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-2165BM-PPS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.86 g/cc	1.86 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	0.0020 - 0.0080 cm/cm @Thickness 3.20 mm	0.0020 - 0.0080 in/in @Thickness 0.126 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	121	121	ASTM D785
Tensile Strength, Yield	108 MPa	15600 psi	5 mm/min; ASTM D638
Elongation at Break	1.5 %	1.5 %	5 mm/min; ASTM D638
Flexural Strength	177 MPa	25700 psi	2.8 mm/min; ASTM D638
Flexural Modulus	17.7 GPa	2560 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	0.392 J/cm @Thickness 3.17 mm	0.735 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

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm @Temperature 23.0 Â°C	1.00e+16 ohm-cm @Temperature 73.4 Â°F	50% RH; ASTM D257
Dielectric Constant	5.0 @Frequency 1.00e+6	5.0 @Frequency 1.00e+6	ASTM D150

Electrical Properties	Hz Metric	Hz English	Comments
Dissipation Factor	0.0070 @Frequency 1.00e+6 Hz	0.0070 @Frequency 1.00e+6 Hz	ASTM D150

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