

Samsung Cheil Industries Infino® XP-2150IM PPS, 50% Glass Reinforced

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with 50% Glass Fiber Filler

Material Notes:

PPS/GS that is used in mobile phone LCD bracket Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-XP-2150IM-PPS-50-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.68 g/cc	1.68 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	0.0025 - 0.010 cm/cm @Thickness 3.20 mm	0.0025 - 0.010 in/in @Thickness 0.126 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	121	121	ASTM D785
Tensile Strength, Yield	157 MPa	22800 psi	5 mm/min; ASTM D638
Elongation at Break	2.2 %	2.2 %	5 mm/min; ASTM D638
Flexural Strength	245 MPa	35500 psi	2.8 mm/min; ASTM D638
Flexural Modulus	14.7 GPa	2130 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	0.883 J/cm @Thickness 3.17 mm	1.65 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-0 @Thickness 0.750 mm	V-0 @Thickness 0.0295 in	

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

Electrical Properties	Metric	English	Comments
Dielectric Constant	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	ASTM D150
Dissipation Factor	0.0050 @Frequency 1.00e+6 Hz	0.0050 @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