

Samsung Cheil Industries Infino[®] GP-5300G PBT, Glass Filled

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-GP-5300G-PBT-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.53 g/cc	1.53 g/cc	ASTM D792
Water Absorption	0.060 % @Temperature 23.0 Â°C	0.060 % @Temperature 73.4 Â°F	ASTM D570
Linear Mold Shrinkage, Flow	0.0030 - 0.0090 cm/cm @Thickness 3.20 mm	0.0030 - 0.0090 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 250 Â°C	20 g/10 min @Load 4.76 lb, Temperature 482 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D785
Tensile Strength at Break	127 MPa	18400 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	118 MPa	17100 psi	5 mm/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	5 mm/min; ASTM D638
Tensile Modulus	6.77 GPa	981 ksi	5 mm/min; ASTM D638
Flexural Strength	186 MPa	27000 psi	2.8 mm/min; ASTM D790
Flexural Modulus	8.04 GPa	1170 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.785 J/cm @Thickness 6.35 mm	1.47 ft-lb/in @Thickness 0.250 in	ASTM D256
	0.853 J/cm @Thickness 3.17 mm	1.60 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	225 Â°C	437 Â°F	ASTM D648

Thermal Properties	@Thickness 6.40 mm Metric	@Thickness 0.252 in English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	210 Â°C	410 Â°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Vicat Softening Point	216 Â°C	421 Â°F	B/50; ISO R306
	220 Â°C	428 Â°F	B/120; ISO R306
Flammability, UL94	HB	HB	
	@Thickness 0.750 - 3.00 mm	@Thickness 0.0295 - 0.118 in	

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