

Samsung Cheil Industries Infino® GP-3200G PBT/ABS, 20% Glass Filled

Category : Polymer , Thermoplastic , ABS Polymer , ABS/Polyester Alloy + GF , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

PBT/ABS with 20% GF reinforcement that can be used in air-conditioner blades Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-GP-3200G-PBTABS-20-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	ASTM D792
Water Absorption	0.080 %	0.080 %	ASTM D570
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Linear Mold Shrinkage, Flow	0.0040 - 0.0090 cm/cm	0.0040 - 0.0090 in/in	ASTM D955
	@Thickness 3.20 mm	@Thickness 0.126 in	
Melt Flow	33 g/10 min	33 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 250 °C	@Load 11.0 lb, Temperature 482 °F	
Ash	19 %	19 %	ASTM D5630

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D785
Tensile Strength at Break	78.5 MPa	11400 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	78.5 MPa	11400 psi	5 mm/min; ASTM D638
Elongation at Break	3.2 %	3.2 %	5 mm/min; ASTM D638
Tensile Modulus	4.90 GPa	711 ksi	5 mm/min; ASTM D638
Flexural Strength	118 MPa	17100 psi	2.8 mm/min; ASTM D790
Flexural Modulus	4.90 GPa	711 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.647 J/cm	1.21 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	0.647 J/cm	1.21 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
	205 °C	401 °F	

Thermal Properties <small>Deflection Temperature at 0.46 MPa (0.07 psi)</small>	Metric <small>@ Thickness 6.40 mm</small>	English <small>@ Thickness 0.252 in</small>	ASTM D648 Comments
Deflection Temperature at 1.8 MPa (264 psi)	145 °C <small>@Thickness 6.40 mm</small>	293 °F <small>@Thickness 0.252 in</small>	ASTM D648
Vicat Softening Point	129 °C	264 °F	B/50; ISO R306
	131 °C	268 °F	B/120; ISO R306
Flammability, UL94	HB <small>@Thickness 1.50 - 3.00 mm</small>	HB <small>@Thickness 0.0591 - 0.118 in</small>	

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