

Samsung Cheil Industries Infino® VB-5300G PBT, Glass Filled FR

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Fiber Filled, Flame Retardant

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Specific Gravity	1.63 g/cc	1.63 g/cc	ASTM D792
Water Absorption	0.060 % @Temperature 23.0 °C	0.060 % @Temperature 73.4 °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	15 g/10 min @Load 2.16 kg, Temperature 250 °C	15 g/10 min @Load 4.76 lb, Temperature 482 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	127 MPa	18500 psi	5 mm/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	5 mm/min; ASTM D638
Flexural Strength	186 MPa	27000 psi	2.8 mm/min; ASTM D638
Flexural Modulus	8.83 GPa	1280 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	0.735 J/cm @Thickness 3.17 mm	1.38 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	210 °C @Thickness 6.40 mm	410 °F @Thickness 0.252 in	ASTM D648
Flammability, UL94	V-0 @Thickness 0.750 - 3.00 mm	V-0 @Thickness 0.0295 - 0.118 in	

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