

## Samsung Cheil Industries Infino<sup>®</sup> VB-3100G PBT/ABS, Glass Filled FR

Category : Polymer , Thermoplastic , ABS Polymer , ABS/Polyester Alloy + GF , 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-VB-3100G-PBTABS-Glass-Filled-FR.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-VB-3100G-PBTABS-Glass-Filled-FR.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	ASTM D792
Water Absorption	0.080 % @Temperature 23.0 Â°C	0.080 % @Temperature 73.4 Â°F	ASTM D570
Linear Mold Shrinkage, Flow	0.0070 - 0.011 cm/cm @Thickness 3.20 mm	0.0070 - 0.011 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	30 g/10 min @Load 2.16 kg, Temperature 250 Â°C	30 g/10 min @Load 4.76 lb, Temperature 482 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	113	113	ASTM D785
Tensile Strength, Yield	73.5 MPa	10700 psi	5 mm/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	5 mm/min; ASTM D638
Flexural Strength	108 MPa	15700 psi	2.8 mm/min; ASTM D638
Flexural Modulus	4.22 GPa	612 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	0.490 J/cm @Thickness 3.17 mm	0.918 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	150 Â°C @Thickness 6.40 mm	302 Â°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	147 Â°C	297 Â°F	B/50; ISO R306
Flammability, UL94	V-0 @Thickness 1.50 - 3.00 mm	V-0 @Thickness 0.0591 - 0.118 in	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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