

Samsung Cheil Industries Infino[®] VB-8102G MPPE, Glass Filled FR

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO

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-8102G-MPPE-Glass-Filled-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm @Thickness 3.20 mm	0.0020 - 0.0040 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	5.0 g/10 min @Load 10.0 kg, Temperature 250 Å°C	5.0 g/10 min @Load 22.0 lb, Temperature 482 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	68.6 MPa	9960 psi	5 mm/min; ASTM D638
Flexural Strength	118 MPa	17100 psi	2.8 mm/min; ASTM D638
Flexural Modulus	3.92 GPa	569 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	0.981 J/cm @Thickness 3.17 mm	1.84 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	128 Å°C @Thickness 6.40 mm	262 Å°F @Thickness 0.252 in	ASTM D648
Flammability, UL94	V-2 @Thickness 0.750 - 6.00 mm	V-2 @Thickness 0.0295 - 0.236 in	
	V-1 @Thickness 0.750 - 6.00 mm	V-1 @Thickness 0.0295 - 0.236 in	

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