

Samsung Cheil Industries Infino[®] VB-5302GR PBT, 30% Glass Filled FR

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

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-5302GR-PBT-30-Glass-Filled-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.65 g/cc	1.65 g/cc	ASTM D792
Melt Flow	16 g/10 min @Load 2.16 kg, Temperature 250 Å°C	16 g/10 min @Load 4.76 lb, Temperature 482 Å°F	ASTM D1238
Ash	31 %	31 %	ASTM D5630

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	127 MPa	18400 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	127 MPa	18500 psi	5 mm/min; ASTM D638
Elongation at Break	3.4 %	3.4 %	5 mm/min; ASTM D638
Tensile Modulus	0.824 GPa	119 ksi	5 mm/min; ASTM D638
Flexural Strength	206 MPa	29900 psi	2.8 mm/min; ASTM D638
Flexural Modulus	10.8 GPa	1560 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	0.696 J/cm @Thickness 6.35 mm	1.30 ft-lb/in @Thickness 0.250 in	ASTM D256
	0.785 J/cm @Thickness 3.17 mm	1.47 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	222 Å°C @Thickness 6.40 mm	432 Å°F @Thickness 0.252 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	211 Å°C @Thickness 6.40 mm	412 Å°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	212 Å°C	414 Å°F	B/50; ISO R306
			B/120; ISO R306

Thermal Properties	215 Å°C Metric	419 Å°F English	Comments
Flammability, UL94	V-0	V-0	
	@Thickness 0.800 mm	@Thickness 0.0315 in	

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