

Samsung Cheil Industries Infino® NH-3208GL PC, Glass Filled FR

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 10% Glass 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-NH-3208GL-PC-Glass-Filled-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 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	24 g/10 min @Load 10.0 kg, Temperature 220 °C	24 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	91	91	ASTM D785
Tensile Strength, Yield	105 MPa	15200 psi	5 mm/min; ASTM D638
Flexural Strength	137 MPa	19900 psi	2.8 mm/min; ASTM D790
Flexural Modulus	5.82 GPa	843 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.883 J/cm @Thickness 3.17 mm	1.65 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	92.8 °C @Thickness 6.40 mm	199 °F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	100 °C	212 °F	B/50; ISO R306
Flammability, UL94	V-0 @Thickness 0.750 mm	V-0 @Thickness 0.0295 in	

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