

Samsung Cheil Industries Infino[®] HN-3203G 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-HN-3203G-PC-Glass-Filled-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D792
Water Absorption	0.15 %	0.15 %	ASTM D570
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ASTM D955
	@Thickness 3.20 mm	@Thickness 0.126 in	
Melt Flow	11 g/10 min	11 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 250 Â°C	@Load 22.0 lb, Temperature 482 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	98.1 MPa	14200 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	108 MPa	15600 psi	5 mm/min; ASTM D638
Elongation at Break	4.1 %	4.1 %	5 mm/min; ASTM D638
Tensile Modulus	4.81 GPa	697 ksi	5 mm/min; ASTM D638
Flexural Strength	157 MPa	22800 psi	2.8 mm/min; ASTM D790
Flexural Modulus	5.39 GPa	782 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.18 J/cm	2.20 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	1.57 J/cm	2.94 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	145 Â°C	293 Â°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	

Thermal Properties (204 psi)	140 Â°C Metric	284 Â°F English	Comments
	@Thickness 6.40 mm	@Thickness 0.252 in	
Vicat Softening Point	147 Â°C	297 Â°F	B/50; ISO R306
	150 Â°C	302 Â°F	B/120; ISO R306
Flammability, UL94	V-0 @Thickness 1.50 - 6.00 mm	V-0 @Thickness 0.0591 - 0.236 in	

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