

Samsung Cheil Industries Infino[®] HF-3200H PC, Glass Filled High Impact

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-HF-3200H-PC-Glass-Filled-High-Impact.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792
Melt Flow	11 g/10 min	11 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 250 °C	@Load 22.0 lb, Temperature 482 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	108 MPa	15700 psi	50 mm/min; ASTM D638
Tensile Strength, Yield	78.5 MPa	11400 psi	50 mm/min; ASTM D638
Elongation at Break	4.3 %	4.3 %	50 mm/min; ASTM D638
Tensile Modulus	4.81 GPa	697 ksi	50 mm/min; ASTM D638
Flexural Strength	118 MPa	17100 psi	2.8 mm/min; ASTM D790
Flexural Modulus	5.39 GPa	782 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.47 J/cm	2.76 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 °C	293 °F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa (264 psi)	140 °C	284 °F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Vicat Softening Point	147 °C	297 °F	B/50; ISO R306
	150 °C	302 °F	B/120; ISO R306
	V-2	V-2	

Flammability UL 94

Thermal Properties

Metric

@ Thickness 1.50 mm

English

@ Thickness 0.0591 in

Comments

Contact Songhan Plastic Technology Co.,Ltd.

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