

Samsung Cheil Industries Infino[®] CF-3200HF 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-CF-3200HF-PC-Glass-Filled-High-Impact.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D792
Water Absorption	0.30 % @Temperature 23.0 Â°C	0.30 % @Temperature 73.4 Â°F	ASTM D570
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm @Thickness 3.20 mm	0.0030 - 0.0050 in/in @Thickness 0.126 in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0030 - 0.0050 cm/cm @Thickness 3.20 mm	0.0030 - 0.0050 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	23 g/10 min @Load 10.0 kg, Temperature 250 Â°C	23 g/10 min @Load 22.0 lb, Temperature 482 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	116	116	ASTM D785
Tensile Strength, Yield	98.1 MPa	14200 psi	5 mm/min; ASTM D638
Flexural Strength	137 MPa	19900 psi	2.8 mm/min; ASTM D790
Flexural Modulus	5.49 GPa	797 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.86 J/cm @Thickness 3.17 mm	3.49 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	141 Â°C @Thickness 6.40 mm	286 Â°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	137 Â°C	279 Â°F	B/50; ISO R306
Flammability, UL94	2.00	2.00	

Thermal Properties	@Thickness 3.20 mm Metric	@Thickness 0.126 in English	Comments
	V-2	V-2	
	@Thickness 0.800 mm	@Thickness 0.0315 in	

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