

Samsung Cheil Industries Infino[®] NH-1035 PC, Unreinforced FR

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Molded

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-1035-PC-Unreinforced-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm @Thickness 3.20 mm	0.0050 - 0.0070 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	35 g/10 min @Load 10.0 kg, Temperature 250 Å°C	35 g/10 min @Load 22.0 lb, Temperature 482 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	60.8 MPa	8820 psi	50 mm/min; ASTM D638
Flexural Strength	88.3 MPa	12800 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.45 GPa	356 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	6.86 J/cm @Thickness 3.17 mm	12.9 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	113 Å°C @Thickness 6.40 mm	235 Å°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	126 Å°C	259 Å°F	B/50; ISO R306
Flammability, UL94	V-0 @Thickness 1.50 - 2.70 mm	V-0 @Thickness 0.0591 - 0.106 in	
	5VB @Thickness 2.00 - 2.70 mm	5VB @Thickness 0.0787 - 0.106 in	

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