

Samsung Cheil Industries Infino® HN-1064IA 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-HN-1064IA-PC-Unreinforced-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792
Melt Flow	17 g/10 min	17 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
Hardness, Rockwell R	117	117	ASTM D785
Tensile Strength, Yield	56.9 MPa	8250 psi	50 mm/min; ASTM D638
Flexural Strength	77.5 MPa	11200 psi	2.8 mm/min; ASTM D790
Flexural Modulus	1.67 GPa	242 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	6.37 J/cm	11.9 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	7.35 J/cm	13.8 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	143 Â°C	289 Â°F	B/50; ISO R306
UL RTI, Electrical	130 Â°C	266 Â°F	
UL RTI, Mechanical with Impact	130 Â°C	266 Â°F	
UL RTI, Mechanical without Impact	130 Â°C	266 Â°F	
Flammability, UL94	V-2	V-2	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	V-0	V-0	
	@Thickness 1.50 - 3.00 mm	@Thickness 0.0591 - 0.118 in	

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