

Samsung Cheil Industries Infino[®] NH-1017D PC/ABS, Unreinforced FR

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

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-1017D-PCABS-Unreinforced-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Melt Flow	46 g/10 min	46 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 220 Å°C	@Load 22.0 lb, Temperature 428 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Yield	58.8 MPa	8530 psi	50 mm/min; ASTM D638
Flexural Strength	83.4 MPa	12100 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.35 GPa	341 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	5.88 J/cm	11.0 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	98.0 Å°C	208 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
UL RTI, Electrical	85.0 Å°C	185 Å°F	
UL RTI, Mechanical with Impact	85.0 Å°C	185 Å°F	
UL RTI, Mechanical without Impact	85.0 Å°C	185 Å°F	
Flammability, UL94	HB	HB	
	@Thickness 0.800 mm	@Thickness 0.0315 in	
	V-0	V-0	
	@Thickness 2.00 - 3.00 mm	@Thickness 0.0787 - 0.118 in	
	5VB	5VB	

Thermal Properties

@Thickness 2.00 - 3.00
Metric

@Thickness 0.0787 -
0.1181 in
English

Comments

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