

Samsung Cheil Industries Infino® NH-1150HH 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-1150HH-PCABS-Unreinforced-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.29 g/cc	1.29 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0012 cm/cm @Thickness 3.20 mm	0.0012 in/in @Thickness 0.126 in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0019 cm/cm @Thickness 3.20 mm	0.0019 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 250 Â°C	6.0 g/10 min @Load 4.76 lb, Temperature 482 Â°F	ASTM D1238
	30 g/10 min @Load 10.0 kg, Temperature 220 Â°C	30 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength at Break	58.8 MPa	8530 psi	50 mm/min; ASTM D638
Tensile Strength, Yield	58.8 MPa	8530 psi	50 mm/min; ASTM D638
Elongation at Break	7.0 %	7.0 %	50 mm/min; ASTM D638
Tensile Modulus	3.33 GPa	484 ksi	50 mm/min; ASTM D638
Flexural Strength	88.3 MPa	12800 psi	2.8 mm/min; ASTM D790
Flexural Modulus	3.73 GPa	540 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.785 J/cm @Thickness 6.35 mm	1.47 ft-lb/in @Thickness 0.250 in	ASTM D256
	0.785 J/cm @Thickness 3.17 mm	1.47 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	81.0 Â°C	178 Â°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Vicat Softening Point	94.0 Â°C	201 Â°F	B/50; ISO R306
Flammability, UL94	V-0	V-0	
	@Thickness 1.20 mm	@Thickness 0.0472 in	

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