

Samsung Cheil Industries Infino[®] NH-1037 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-1037-PCABS-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	19 g/10 min @Load 10.0 kg, Temperature 220 Å°C	19 g/10 min @Load 22.0 lb, Temperature 428 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength at Break	70.6 MPa	10200 psi	50 mm/min; ASTM D638
Tensile Strength, Yield	65.7 MPa	9530 psi	50 mm/min; ASTM D638
Elongation at Break	109 %	109 %	50 mm/min; ASTM D638
Tensile Modulus	2.35 GPa	341 ksi	50 mm/min; ASTM D638
Flexural Strength	98.1 MPa	14200 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.65 GPa	384 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.86 J/cm @Thickness 6.35 mm	3.49 ft-lb/in @Thickness 0.250 in	ASTM D256
	5.88 J/cm @Thickness 3.17 mm	11.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	108 Å°C @Thickness 6.40 mm	226 Å°F @Thickness 0.252 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	100 Å°C @Thickness 6.40 mm	212 Å°F @Thickness 0.252 in	ASTM D648

Thermal Properties Heat Softening Point	Metric 112°C	English 233°F	Comments B/50; ISO R306
	114 °C	237 °F	B/120; ISO R306
Flammability, UL94	V-0 @Thickness >=1.50 mm	V-0 @Thickness >=0.0591 in	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China