

Samsung Cheil Industries Infino® SC-1100R PC, Unreinforced

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-SC-1100R-PC-Unreinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Water Absorption	0.20 % @Temperature 23.0 Â°C	0.20 % @Temperature 73.4 Â°F	ASTM D570
Melt Flow	9.0 g/10 min @Load 10.0 kg, Temperature 250 Â°C	9.0 g/10 min @Load 22.0 lb, Temperature 482 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Yield	63.7 MPa	9250 psi	50 mm/min; ASTM D638
Flexural Strength	97.1 MPa	14100 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.16 GPa	313 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	7.85 J/cm @Thickness 6.35 mm	14.7 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	140 Â°C	284 Â°F	B/50; ISO R306
Flammability, UL94	V-2 @Thickness 0.800 - 3.00 mm	V-2 @Thickness 0.0315 - 0.118 in	

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