

Samsung Cheil Industries Infino® TN-1100 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-TN-1100-PC-Unreinforced-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm @Thickness 3.20 mm	0.0030 - 0.0050 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	75 g/10 min @Load 10.0 kg, Temperature 250 Â°C	75 g/10 min @Load 22.0 lb, Temperature 482 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	123	123	ASTM D785
Tensile Strength, Yield	72.6 MPa	10500 psi	50 mm/min; ASTM D638
Flexural Strength	108 MPa	15700 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.65 GPa	384 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.392 J/cm @Thickness 3.17 mm	0.735 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	95.0 Â°C @Thickness 6.40 mm	203 Â°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	106 Â°C	223 Â°F	B/50; ISO R306
Flammability, UL94	V-1 @Thickness 2.00 mm	V-1 @Thickness 0.0787 in	
	V-0 @Thickness 2.50 mm	V-0 @Thickness 0.0984 in	

Optical Properties	Metric	English	Comments
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Optical Properties	0.60 % Metric	0.60 % English	Comments
	@Thickness 3.20 mm	@Thickness 0.126 in	
Transmission, Visible	89 % @Thickness 3.20 mm	89 % @Thickness 0.126 in	ASTM D1003

Contact Songhan Plastic Technology Co.,Ltd.

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