

Samsung Cheil Industries Infino[®] FD-1122 PC, 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-FD-1122-PC-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792
Melt Flow	35 g/10 min @Load 10.0 kg, Temperature 250 Å°C	35 g/10 min @Load 22.0 lb, Temperature 482 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	63.7 MPa	9250 psi	50 mm/min; ASTM D638
Elongation at Break	106 %	106 %	50 mm/min; ASTM D638
Flexural Strength	93.2 MPa	13500 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.26 GPa	327 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.981 J/cm @Thickness 6.35 mm	1.84 ft-lb/in @Thickness 0.250 in	ASTM D256
	>= 0.981 J/cm @Thickness 3.17 mm	>= 1.84 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	122 Å°C @Thickness 6.40 mm	252 Å°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	143 Å°C	289 Å°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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