

Samsung Cheil Industries Infino[®] FD-1112 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-1112-PC-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Melt Flow	14.6 g/10 min	14.6 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 250 Å°C	@Load 22.0 lb, Temperature 482 Å°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	61.8 MPa	8960 psi	50 mm/min; ASTM D638
Elongation at Break	100 %	100 %	50 mm/min; ASTM D638
Flexural Strength	91.3 MPa	13200 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.06 GPa	299 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.981 J/cm	1.84 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	0.981 J/cm	1.84 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	130 Å°C	266 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Vicat Softening Point	145 Å°C	293 Å°F	B/50; ISO R306
Flammability, UL94	V-2	V-2	
	@Thickness 0.800 - 3.00 mm	@Thickness 0.0315 - 0.118 in	

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