

Samsung Cheil Industries Infino[®] EN-1052 PC, FR

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Unreinforced, Flame Retardant

Material Notes:

Non-halogen flame-retardant material with high heat resistance that can be used in battery charger. Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-EN-1052-PC-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 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	18 g/10 min @Load 10.0 kg, Temperature 250 Å°C	18 g/10 min @Load 22.0 lb, Temperature 482 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	58.8 MPa	8530 psi	50 mm/min; ASTM D638
Flexural Strength	83.4 MPa	12100 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.06 GPa	299 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	5.88 J/cm @Thickness 6.35 mm	11.0 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	129 Å°C @Thickness 6.40 mm	264 Å°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	142 Å°C	288 Å°F	B/50; ISO R306
UL RTI, Electrical	130 Å°C	266 Å°F	
UL RTI, Mechanical with Impact	130 Å°C	266 Å°F	
UL RTI, Mechanical without Impact	130 Å°C	266 Å°F	
Flammability, UL94	V-2 @Thickness 0.750 mm	V-2 @Thickness 0.0295 in	

Thermal Properties	Metric	English	Comments
	@Thickness 1.50 - 3.00 mm	@Thickness 0.0591 - 0.118 in	

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