

Samsung Cheil Industries Infino® UF-1017S 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-UF-1017S-PC-Unreinforced-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Melt Flow	19 g/10 min	19 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength, Yield	60.8 MPa	8820 psi	50 mm/min; ASTM D638
Flexural Strength	89.2 MPa	12900 psi	2.8 mm/min; ASTM D638
Flexural Modulus	2.30 GPa	334 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	6.37 J/cm	11.9 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	109 °C	228 °F	B/50; ISO R306
Flammability, UL94	V-2	V-2	
	@Thickness 0.400 mm	@Thickness 0.0157 in	
	V-0	V-0	
	@Thickness 0.700 mm	@Thickness 0.0276 in	

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