

Samsung Cheil Industries Infino® CF-1070 PC, Unreinforced High Impact

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Impact Modified

Material Notes:

High-impact material for the exterior material of mobile phone Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-CF-1070-PC-Unreinforced-High-Impact.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Melt Flow	13 g/10 min	13 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 250 Â°C	@Load 22.0 lb, Temperature 482 Â°F	

Mechanical Properties	Metric	English	Comments
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	1.96 GPa	284 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	5.39 J/cm	10.1 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	6.86 J/cm	12.9 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	138 Â°C	280 Â°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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