

Samsung Cheil Industries Infino® HP-1011 PC/ABS, Unreinforced

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Material with superior flowability and small gas generation that can be used in the exterior material of mobile phones. Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-HP-1011-PCABS-Unreinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792
Melt Flow	35 g/10 min @Load 10.0 kg, Temperature 250 °C	35 g/10 min @Load 22.0 lb, Temperature 482 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	52.0 MPa	7540 psi	50 mm/min; ASTM D638
Flexural Strength	73.5 MPa	10700 psi	2.8 mm/min; ASTM D790
Flexural Modulus	1.96 GPa	284 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	4.41 J/cm @Thickness 6.35 mm	8.27 ft-lb/in @Thickness 0.250 in	ASTM D256
	6.47 J/cm @Thickness 3.17 mm	12.1 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	121 °C	250 °F	B/50; ISO R306

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