

## Samsung Cheil Industries Infino<sup>®</sup> HP-1000H PC/ABS, Unreinforced

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

### Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Samsung-Cheil-Industries-Infino-HP-1000H-PCABS-Unreinforced.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-HP-1000H-PCABS-Unreinforced.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 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	14 g/10 min @Load 10.0 kg, Temperature 250 Å°C	14 g/10 min @Load 22.0 lb, Temperature 482 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	113	113	ASTM D785
Tensile Strength at Break	61.8 MPa	8960 psi	50 mm/min; ASTM D638
Tensile Strength, Yield	53.9 MPa	7820 psi	50 mm/min; ASTM D638
Elongation at Break	113 %	113 %	50 mm/min; ASTM D638
Tensile Modulus	1.96 GPa	284 ksi	50 mm/min; ASTM D638
Flexural Strength	73.5 MPa	10700 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.06 GPa	299 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	5.20 J/cm @Thickness 6.35 mm	9.74 ft-lb/in @Thickness 0.250 in	ASTM D256
	6.08 J/cm @Thickness 3.17 mm	11.4 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	135 Å°C @Thickness 6.40 mm	275 Å°F @Thickness 0.252 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	120 Å°C @Thickness 6.40 mm	248 Å°F @Thickness 0.252 in	ASTM D648

Thermal Properties Vicat Softening Point	Metric 137 Â°C	English 279 Â°F	Comments B/120; ISO R306
	137 Â°C	279 Â°F	B/120; ISO R306
Flammability, UL94	HB @Thickness 1.50 - 3.00 mm	HB @Thickness 0.0591 - 0.118 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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