

## Samsung Cheil Industries Infino<sup>®</sup> LH-1070W PC, 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-LH-1070W-PC-FR.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-LH-1070W-PC-FR.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.42 g/cc	1.42 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	65 g/10 min @Load 10.0 kg, Temperature 250 Å°C	65 g/10 min @Load 22.0 lb, Temperature 482 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength at Break	46.1 MPa	6690 psi	50 mm/min; ASTM D638
Tensile Strength, Yield	56.9 MPa	8250 psi	50 mm/min; ASTM D638
Elongation at Break	43 %	43 %	50 mm/min; ASTM D638
Tensile Modulus	2.16 GPa	313 ksi	50 mm/min; ASTM D638
Flexural Strength	83.4 MPa	12100 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.26 GPa	327 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.47 J/cm @Thickness 3.17 mm	2.76 ft-lb/in @Thickness 0.125 in	ASTM D256
	1.57 J/cm @Thickness 6.35 mm	2.94 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	131 Å°C @Thickness 6.40 mm	268 Å°F @Thickness 0.252 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	122 Å°C @Thickness 6.40 mm	252 Å°F @Thickness 0.252 in	ASTM D648

Thermal Properties Vicat Softening Point	Metric 130 ÅC	English 266 ÅF	Comments B/50; ISO R306
	140 ÅC	284 ÅF	B/120; ISO R306
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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