

## Samsung Cheil Industries Infino<sup>®</sup> NH-1027HF PC/ABS, Unreinforced FR

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-NH-1027HF-PCABS-Unreinforced-FR.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-NH-1027HF-PCABS-Unreinforced-FR.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Water Absorption	0.20 %	0.20 %	ASTM D570
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Melt Flow	55 g/10 min	55 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 220 Å°C	@Load 22.0 lb, Temperature 428 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Yield	59.8 MPa	8680 psi	50 mm/min; ASTM D638
Flexural Strength	88.3 MPa	12800 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.35 GPa	341 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	5.39 J/cm	10.1 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	98.0 Å°C	208 Å°F	B/50; ISO R306
Flammability, UL94	HB	HB	
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	V-2	V-2	
	@Thickness 1.20 - 3.00 mm	@Thickness 0.0472 - 0.118 in	
	V-1	V-1	
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	V-0	V-0	

Thermal Properties	Metric	English	Comments
	@Thickness 1.20 - 3.00 mm	@Thickness 0.0472 - 0.118 in	
	5VB	5VB	
	@Thickness 1.50 - 3.00 mm	@Thickness 0.0591 - 0.118 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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