

Samsung Cheil Industries Infino® WP-1041G PC/ABS, Unreinforced Metal Plating Grade

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-WP-1041G-PCABS-Unreinforced-Metal-Plating-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 - 0.0060 cm/cm @Thickness 3.20 mm	0.0050 - 0.0060 in/in @Thickness 0.126 in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0050 - 0.0060 cm/cm @Thickness 3.20 mm	0.0050 - 0.0060 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 250 °C	3.0 g/10 min @Load 4.76 lb, Temperature 482 °F	ASTM D1238
	31 g/10 min @Load 10.0 kg, Temperature 250 °C	31 g/10 min @Load 22.0 lb, Temperature 482 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength at Break	39.2 MPa	5690 psi	50 mm/min; ASTM D638
Tensile Strength, Yield	49.0 MPa	7110 psi	50 mm/min; ASTM D638
Elongation at Break	100 %	100 %	50 mm/min; ASTM D638
Tensile Modulus	1.91 GPa	277 ksi	50 mm/min; ASTM D638
Flexural Strength	65.7 MPa	9530 psi	2.8 mm/min; ASTM D638
Flexural Modulus	1.91 GPa	277 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	2.45 J/cm @Thickness 6.35 mm, Temperature -30.0 °C	4.59 ft-lb/in @Thickness 0.250 in, Temperature -22.0 °F	ASTM D256
	3.92 J/cm	7.35 ft-lb/in	ASTM D256

Mechanical Properties	Metric @Thickness 3.17 mm, Temperature -30.0 °C	English @Thickness 0.125 in, Temperature -22.0 °F	Comments
	4.12 J/cm	7.71 ft-lb/in	ASTM D256
	@Thickness 6.35 mm, Temperature 23.0 °C	@Thickness 0.250 in, Temperature 73.4 °F	
	5.39 J/cm	10.1 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Vicat Softening Point	111 °C	232 °F	B/50; ISO R306

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China