

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

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

### Material Notes:

High flow PC/ABS material that can be used for automobile R/G door handle. Information provided by Samsung Cheil Industries.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Samsung-Cheil-Industries-Infino-WP-1041-PCABS-Unreinforced-Metal-Plating-Grade.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-WP-1041-PCABS-Unreinforced-Metal-Plating-Grade.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 - 0.0060 cm/cm	0.0050 - 0.0060 in/in	ASTM D955
	@Thickness 3.20 mm	@Thickness 0.126 in	
Melt Flow	4.0 g/10 min	4.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 250 Å°C	@Load 4.76 lb, Temperature 482 Å°F	
	35 g/10 min	35 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 250 Å°C	@Load 22.0 lb, Temperature 482 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	103	103	ASTM D785
Tensile Strength, Yield	48.1 MPa	6970 psi	50 mm/min; ASTM D638
Elongation at Break	25 %	25 %	50 mm/min; ASTM D638
Flexural Strength	65.7 MPa	9530 psi	2.8 mm/min; ASTM D638
Flexural Modulus	1.86 GPa	270 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	3.92 J/cm	7.35 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	5.39 J/cm	10.1 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	99.0 Å°C	210 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Vicat Softening Point	110 Å°C	230 Å°F	B/50; ISO R306

Thermal Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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