

Samsung Cheil Industries Infino[®] QP-1010 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-QP-1010-PCABS-Unreinforced-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ASTM D792
Melt Flow	50 g/10 min	50 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	110	110	ASTM D785
Tensile Strength at Break	45.1 MPa	6540 psi	50 mm/min; ASTM D638
Tensile Strength, Yield	56.9 MPa	8250 psi	50 mm/min; ASTM D638
Elongation at Break	80 %	80 %	50 mm/min; ASTM D638
Tensile Modulus	2.16 GPa	313 ksi	50 mm/min; ASTM D638
Flexural Strength	76.5 MPa	11100 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.06 GPa	299 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	2.94 J/cm	5.51 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	5.00 J/cm	9.37 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	87.0 Å°C	189 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa (264 psi)	80.0 Å°C	176 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Vicat Softening Point	90.0 Å°C	194 Å°F	B/50; ISO R306
			B/120; ISO R306

Thermal Properties	92.0 A°C Metric	198 A°F English	Comments
Flammability, UL94	V-1	V-1	
	@Thickness 2.50 mm	@Thickness 0.0984 in	
	V-0	V-0	
	@Thickness 3.20 mm	@Thickness 0.126 in	

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