

Samsung Cheil Industries Infino[®] GW-1041 PC/ABS, Unreinforced Recycled

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

Material Notes:

Eco-friendly Post-Consumer recycled content.Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-GW-1041-PCABS-Unreinforced-Recycled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 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	19 g/10 min @Load 10.0 kg, Temperature 250 Å°C	19 g/10 min @Load 22.0 lb, Temperature 482 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	52.0 MPa	7540 psi	50 mm/min; ASTM D638
Flexural Strength	74.5 MPa	10800 psi	2.8 mm/min; ASTM D790
Flexural Modulus	1.96 GPa	284 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	6.86 J/cm @Thickness 3.17 mm	12.9 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	121 Å°C @Thickness 6.40 mm	250 Å°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	138 Å°C	280 Å°F	B/50; ISO R306

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