

Samsung Cheil Industries Infino[®] HR-8070 MPPE, Unreinforced

Category : Polymer , Thermoplastic , Polyphenylene Ether/PP0

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-HR-8070-MPPE-Unreinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm @Thickness 3.20 mm	0.0050 - 0.0070 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	7.0 g/10 min @Load 10.0 kg, Temperature 280 Å°C	7.0 g/10 min @Load 22.0 lb, Temperature 536 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	63.7 MPa	9250 psi	50 mm/min; ASTM D638
Elongation at Break	35 %	35 %	5 mm/min; ASTM D638
Flexural Strength	98.1 MPa	14200 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.45 GPa	356 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.08 J/cm @Thickness 3.17 mm	2.02 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	158 Å°C @Thickness 6.40 mm	316 Å°F @Thickness 0.252 in	ASTM D648
Flammability, UL94	HB @Thickness 1.50 - 3.00 mm	HB @Thickness 0.0591 - 0.118 in	

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