

Samsung Cheil Industries Infino® HT-8200G MPPE/PA, Glass Filled

Category : Polymer , Thermoplastic , Nylon , Polyphenylene Ether/PPO

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-HT-8200G-MPPEPA-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 - 0.0080 cm/cm @Thickness 3.20 mm	0.0040 - 0.0080 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	20 g/10 min @Load 5.00 kg, Temperature 285 Â°C	20 g/10 min @Load 11.0 lb, Temperature 545 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	117	117	ASTM D785
Tensile Strength, Yield	118 MPa	17100 psi	5 mm/min; ASTM D638
Elongation at Break	7.0 %	7.0 %	5 mm/min; ASTM D638
Flexural Strength	235 MPa	34100 psi	2.8 mm/min; ASTM D790
Flexural Modulus	5.88 GPa	853 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.883 J/cm @Thickness 3.17 mm	1.65 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	79.0 Â°C @Thickness 6.40 mm	174 Â°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	248 Â°C	478 Â°F	B/50; ISO R306

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