

**Samsung Cheil Industries Infino<sup>®</sup> GP-8200G MPPE, 20% Glass Filled**

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, 20% Glass Filled

**Material Notes:**

Material with good dimensional stability and 20% GF that can be used in pumps and impeller housings  
Information provided by Samsung Cheil Industries.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Samsung-Cheil-Industries-Infino-GP-8200G-MPPE-20-Glass-Filled.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-GP-8200G-MPPE-20-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
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
Ash	20 %	20 %	ASTM D5630

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Yield	108 MPa	15600 psi	5 mm/min; ASTM D638
Flexural Strength	147 MPa	21300 psi	2.8 mm/min; ASTM D790
Flexural Modulus	5.88 GPa	853 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.18 J/cm @Thickness 3.17 mm	2.20 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	140 Å°C @Thickness 6.40 mm	284 Å°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	135 Å°C	275 Å°F	B/50; ISO R306

Optical Properties	Metric	English	Comments
Yellow Index	38 % @Thickness 3.20 mm	38 % @Thickness 0.126 in	ASTM D1925

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