

Samsung Cheil Industries Infino[®] GP-5400G PBT, 40% Glass Filled

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 40% Glass Fiber Filled

Material Notes:Material with 40% GF reinforcement that is used in motor insulators
Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-GP-5400G-PBT-40-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.61 g/cc	1.61 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0030 - 0.0070 cm/cm @Thickness 3.20 mm	0.0030 - 0.0070 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 250 Å°C	10 g/10 min @Load 4.76 lb, Temperature 482 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D785
Tensile Strength, Yield	137 MPa	19900 psi	5 mm/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	5 mm/min; ASTM D638
Flexural Strength	206 MPa	29900 psi	2.8 mm/min; ASTM D790
Flexural Modulus	1.08 GPa	156 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.932 J/cm @Thickness 3.17 mm	1.74 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	210 Å°C @Thickness 6.40 mm	410 Å°F @Thickness 0.252 in	ASTM D648
Flammability, UL94	HB @Thickness 0.750 - 3.00 mm	HB @Thickness 0.0295 - 0.118 in	

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