

Samsung Cheil Industries Starex[®] GR-4020H ABS, Glass Filled

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-GR-4020H-ABS-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm @Thickness 3.20 mm	0.0010 - 0.0030 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	7.5 g/10 min @Load 10.0 kg, Temperature 220 Å°C	7.5 g/10 min @Load 22.0 lb, Temperature 428 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D785
Tensile Strength, Yield	83.4 MPa	12100 psi	5 mm/min; ASTM D638
Flexural Strength	108 MPa	15700 psi	2.8 mm/min; ASTM D790
Flexural Modulus	5.30 GPa	768 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.785 J/cm @Thickness 3.17 mm	1.47 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	95.0 Å°C @Thickness 6.40 mm	203 Å°F @Thickness 0.252 in	ASTM D648
Flammability, UL94	HB @Thickness 1.50 - 6.00 mm	HB @Thickness 0.0591 - 0.236 in	

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