

Samsung Cheil Industries Starex^Â® GR-4017 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-4017-ABS-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm @Thickness 3.20 mm	0.0020 - 0.0040 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	17.2 g/10 min @Load 10.0 kg, Temperature 220 Â°C	17.2 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	117	117	ASTM D785
Tensile Strength, Yield	76.5 MPa	11100 psi	5 mm/min; ASTM D638
Flexural Strength	116 MPa	16800 psi	2.8 mm/min; ASTM D790
Flexural Modulus	5.00 GPa	725 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)	100 Â°C @Thickness 6.40 mm	212 Â°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	105 Â°C	221 Â°F	B/50; ISO R306

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