

**Samsung Cheil Industries Starex<sup>®</sup> GR-5030FX SAN, Glass Filled**

Category : Polymer , Thermoplastic , SAN Polymer , Styrene Acrylonitrile (SAN), Molded, Glass Reinforced

**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-5030FX-SAN-Glass-Filled.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-GR-5030FX-SAN-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0010 - 0.0020 cm/cm @Thickness 3.20 mm	0.0010 - 0.0020 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	5.5 g/10 min @Load 10.0 kg, Temperature 220 Å°C	5.5 g/10 min @Load 22.0 lb, Temperature 428 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	113 MPa	16400 psi	5 mm/min; ASTM D638
Flexural Strength	137 MPa	19900 psi	2.8 mm/min; ASTM D790
Flexural Modulus	8.83 GPa	1280 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.392 J/cm @Thickness 3.17 mm	0.735 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	109 Å°C @Thickness 6.40 mm	228 Å°F @Thickness 0.252 in	ASTM D648
Flammability, UL94	HB @Thickness 1.50 - 3.00 mm	HB @Thickness 0.0591 - 0.118 in	

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