

Samsung Cheil Industries Starex® GR-4020 ABS, 20% Glass Filled

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 20% Glass Fiber Filled

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-4020-ABS-20-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	5.6 g/10 min @Load 10.0 kg, Temperature 220 Â°C	5.6 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ASTM D1238
Ash	20 %	20 %	ASTM D5630

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D785
Tensile Strength at Break	93.2 MPa	13500 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	88.3 MPa	12800 psi	5 mm/min; ASTM D638
Elongation at Break	2.9 %	2.9 %	5 mm/min; ASTM D638
Tensile Modulus	5.30 GPa	768 ksi	5 mm/min; ASTM D638
Flexural Strength	127 MPa	18400 psi	2.8 mm/min; ASTM D790
Flexural Modulus	5.98 GPa	868 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.686 J/cm @Thickness 6.35 mm	1.29 ft-lb/in @Thickness 0.250 in	ASTM D256
	0.735 J/cm @Thickness 3.17 mm	1.38 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	108 Â°C @Thickness 6.40 mm	226 Â°F @Thickness 0.252 in	ASTM D648
	105 Â°C	221 Â°F	

Thermal Properties Deflection Temperature at 1.8 MPa (150 psi)	Metric @ Thickness 6.40 mm	English @ Thickness 0.252 in	ASTM D648 Comments
Vicat Softening Point	107 Â°C	225 Â°F	B/50; ISO R306
	111 Â°C	232 Â°F	B/120; ISO R306
Flammability, UL94	HB @Thickness 1.50 - 6.00 mm	HB @Thickness 0.0591 - 0.236 in	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China