

Samsung Cheil Industries Starex[®] SR-0320 K ABS, Unreinforced Heat Resistant

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Heat Resistant, Molded

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-SR-0320-K-ABS-Unreinforced-Heat-Resistant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Water Absorption	0.30 % @Temperature 23.0 Â°C	0.30 % @Temperature 73.4 Â°F	ASTM D570
Linear Mold Shrinkage, Flow	0.0050 - 0.0060 cm/cm @Thickness 3.20 mm	0.0050 - 0.0060 in/in @Thickness 0.126 in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0060 cm/cm @Thickness 3.20 mm	0.0060 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	9.4 g/10 min @Load 10.0 kg, Temperature 220 Â°C	9.4 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	113	113	ASTM D785
Tensile Strength, Yield	41.2 MPa	5970 psi	5 mm/min; ASTM D638
Elongation at Break	35 %	35 %	5 mm/min; ASTM D638
Flexural Strength	63.7 MPa	9240 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.16 GPa	313 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.86 J/cm @Thickness 6.35 mm	3.49 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	94.0 Â°C @Thickness 6.40 mm	201 Â°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	106 Â°C	223 Â°F	B/50; ISO R306

Thermal Properties

Metric

English

Comments

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