

Samsung Cheil Industries Starex[®] SR-0315 V 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-0315-V-ABS-Unreinforced-Heat-Resistant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Linear Mold Shrinkage, Transverse	0.0020 - 0.0050 cm/cm @Thickness 3.20 mm	0.0020 - 0.0050 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	26 g/10 min @Load 10.0 kg, Temperature 220 Å°C	26 g/10 min @Load 22.0 lb, Temperature 428 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	109	109	ASTM D785
Tensile Strength at Break	32.4 MPa	4700 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	39.2 MPa	5690 psi	5 mm/min; ASTM D638
Elongation at Break	41 %	41 %	5 mm/min; ASTM D638
Tensile Modulus	2.16 GPa	313 ksi	5 mm/min; ASTM D638
Flexural Strength	62.8 MPa	9110 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.16 GPa	313 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	2.06 J/cm @Thickness 6.35 mm	3.86 ft-lb/in @Thickness 0.250 in	ASTM D256
	2.45 J/cm @Thickness 3.17 mm	4.59 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	99.0 Å°C @Thickness 6.40 mm	210 Å°F @Thickness 0.252 in	ASTM D648
	90.0 Å°C	194 Å°F	

Deflection Temperature at 1.8 MPa (104 psi) Thermal Properties	Metric @ Thickness 6.40 mm	English @ Thickness 0.252 in	ASTM D648 Comments
Vicat Softening Point	102 Â°C	216 Â°F	B/50; ISO R306
	104 Â°C	219 Â°F	B/120; ISO R306

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