

Samsung Cheil Industries Starex[®] WR-9100 ASA, Unreinforced

Category : Polymer , Thermoplastic , ASA Polymer , Acrylonitrile/Styrene/Acrylate (ASA), Unreinforced, 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-WR-9100-ASA-Unreinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 - 0.0070 cm/cm @Thickness 3.20 mm	0.0040 - 0.0070 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	22 g/10 min @Load 10.0 kg, Temperature 220 Å°C	22 g/10 min @Load 22.0 lb, Temperature 428 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	102	102	ASTM D785
Tensile Strength, Yield	45.1 MPa	6540 psi	5 mm/min; ASTM D638
Elongation at Break	80 %	80 %	5 mm/min; ASTM D638
Flexural Strength	58.8 MPa	8530 psi	2.8 mm/min; ASTM D638
Flexural Modulus	1.96 GPa	284 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	1.96 J/cm @Thickness 3.17 mm	3.67 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	85.0 Å°C @Thickness 6.40 mm	185 Å°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	96.0 Å°C	205 Å°F	B/50; ISO R306
Flammability, UL94	HB @Thickness 1.50 - 3.00 mm	HB @Thickness 0.0591 - 0.118 in	

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