

Samsung Cheil Industries Starex® SD-0150 ABS, Unreinforced (discontinued **)

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

Material Notes:

Amorphous Acrylonitrile Butadiene Styrene (ABS) Characteristics: General Purpose: Good Impact Strength, Chemical Resistance, Processability Applications: Household Appliances, Auto Interior Trim and Panels, Wheel Covers Processing: Injection Molding (Melt Temperature: 375-445°F, Mold Temperature: 100-175°F) Starex® is a registered trademark of Cheil Industries, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-SD-0150-ABS-Unreinforced-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792
Water Absorption	0.30 %	0.30 %	(24 hr); ASTM D570
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	ASTM D955
Melt Flow	1.8 g/10 min @Load 5.00 kg, Temperature 200 °C	1.8 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength at Break	44.0 MPa	6380 psi	ASTM D638
Elongation at Break	83 %	83 %	ASTM D638
Flexural Yield Strength	66.7 MPa	9670 psi	ASTM D790
Flexural Modulus	2.17 GPa	315 ksi	ASTM D790
Izod Impact, Notched	3.68 J/cm	6.89 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	ASTM D648
Vicat Softening Point	98.0 °C	208 °F	ASTM D1525
Flammability, UL94	HB	HB	0.125 in

Processing Properties	Metric	English	Comments
Melt Temperature	191 - 229 °C	376 - 444 °F	Injection

Processing Properties

Metric 79.0 °C

English 174 °F

Comments

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