

Samsung Cheil Industries Starex® HF-5330S ASA, Unreinforced (discontinued **)

Category : Polymer , Thermoplastic , ASA Polymer , Acrylonitrile/Styrene/Acrylate (ASA), Unreinforced, Molded

Material Notes:

Amorphous Styrene Acrylonitrile (SAN) Characteristics: Heat Resistant: Impact and Chemical Resistance, Surface Gloss Applications: Oil Filter Case, Lubricant Can, Refrigerator and Hair Dryer Components Processing: Injection Molding (Melt Temperature: 460-500°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-HF-5330S-ASA-Unreinforced-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ASTM D792
Water Absorption	0.30 %	0.30 %	(24 hr); ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ASTM D955
Melt Flow	1.9 g/10 min @Load 5.00 kg, Temperature 200 °C	1.9 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	76	76	ASTM D785
Tensile Strength, Ultimate	75.5 MPa	11000 psi	ASTM D638
Elongation at Break	5.7 %	5.7 %	ASTM D638
Flexural Yield Strength	112.8 MPa	16360 psi	ASTM D790
Flexural Modulus	3.16 GPa	458 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	93.0 °C	199 °F	ASTM D648
Vicat Softening Point	107 °C	225 °F	ASTM D1525
Flammability, UL94	HB	HB	0.125 in

Processing Properties	Metric	English	Comments
Melt Temperature	238 - 260 °C	460 - 500 °F	Injection
Mold Temperature	38.0 - 79.0 °C	100 - 174 °F	

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