

Samsung Cheil Industries Starex® HF-5661H ASA, Unreinforced (discontinued **)

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

Material Notes:

Amorphous Styrene Acrylonitrile (SAN) Characteristics: High Flow: Impact, Heat and Chemical Resistance and Surface Gloss Applications: Pens, TV Components, Refrigerator and Appliance 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-5661H-ASA-Unreinforced-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 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 M	75	75	ASTM D785
Tensile Strength at Break	72.6 MPa	10500 psi	ASTM D638
Elongation at Break	4.6 %	4.6 %	ASTM D638
Flexural Yield Strength	114.7 MPa	16640 psi	ASTM D790
Flexural Modulus	3.17 GPa	460 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	ASTM D648
Vicat Softening Point	105 °C	221 °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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