

Samsung Cheil Industries Starex® VH-0850 ABS, Unreinforced (discontinued **)

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

Material Notes:

Amorphous Acrylonitrile Butadiene Styrene (ABS) Characteristics: Flame Retardant: Balance of Properties (Impact, Mechanical and Heat) Applications: Computer, Monitor and Printer Housings, Microwave Components Processing: Injection Molding (Melt Temperature: 320-425°F, Mold Temperature: 100-140°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-VH-0850-ABS-Unreinforced-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 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	4.5 g/10 min @Load 5.00 kg, Temperature 200 °C	4.5 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D785
Tensile Strength at Break	39.2 MPa	5690 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Yield Strength	57.8 MPa	8380 psi	ASTM D790
Flexural Modulus	2.25 GPa	326 ksi	ASTM D790
Izod Impact, Notched	2.62 J/cm	4.91 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	74.0 °C	165 °F	ASTM D648
Vicat Softening Point	45.0 °C	113 °F	ASTM D1525
Flammability, UL94	V-0	V-0	V-0/5V; (0.125 in)

Processing Properties	Metric	English	Comments
Melt Temperature	160 - 218 °C	320 - 424 °F	Injection

Processing Properties

Metric 50.0 °C

English 114 °F

Comments

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