

Samsung Cheil Industries Starex® SF-0950S MABS, Unreinforced Scratch Resistant

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-SF-0950S-MABS-Unreinforced-Scratch-Resistant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0030 - 0.0060 cm/cm @Thickness 3.20 mm	0.0030 - 0.0060 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	13 g/10 min @Load 10.0 kg, Temperature 220 Â°C	13 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	42.2 MPa	6120 psi	5 mm/min; ASTM D638
Flexural Strength	63.7 MPa	9240 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.06 GPa	299 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.08 J/cm @Thickness 3.17 mm	2.02 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	92.0 Â°C	198 Â°F	B/50; ISO R306
Flammability, UL94	HB @Thickness 1.50 - 3.00 mm	HB @Thickness 0.0591 - 0.118 in	

Descriptive Properties	Value	Comments
Pencil Hardness	H	500g, JIS K 5401

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