

## Samsung Cheil Industries Starex<sup>®</sup> BF-0370 MABS, Unreinforced Scratch Resistant

Category : Polymer , Thermoplastic , ABS Polymer

### Material Notes:

Scratch resistant material that is used in the exterior of electric products and household appliances. Information provided by Samsung Cheil Industries.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Samsung-Cheil-Industries-Starex-BF-0370-MABS-Unreinforced-Scratch-Resistant.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-BF-0370-MABS-Unreinforced-Scratch-Resistant.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 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	18 g/10 min @Load 10.0 kg, Temperature 220 Å°C	18 g/10 min @Load 22.0 lb, Temperature 428 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D785
Tensile Strength, Yield	51.0 MPa	7400 psi	5 mm/min; ASTM D638
Elongation at Break	25 %	25 %	5 mm/min; ASTM D638
Flexural Strength	75.5 MPa	11000 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.45 GPa	356 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	1.27 J/cm @Thickness 6.35 mm	2.39 ft-lb/in @Thickness 0.250 in	ASTM D256
	1.47 J/cm @Thickness 3.17 mm	2.76 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	89.0 Å°C @Thickness 6.40 mm	192 Å°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	102 Å°C	216 Å°F	B/50; ISO R306
Flammability, UL94	HB	HB	

Thermal Properties	@Thickness 1.00 - 3.00 Metric	@Thickness 0.0394 - 0.1181 English	Comments
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Descriptive Properties	Value	Comments
Pencil Hardness	HB	1000g, JIS K 5401

## Contact Songhan Plastic Technology Co.,Ltd.

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