

## Samsung Cheil Industries Starex<sup>®</sup> SF-0941 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-0941-MABS-Unreinforced-Scratch-Resistant.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-SF-0941-MABS-Unreinforced-Scratch-Resistant.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm @Thickness 3.20 mm	0.0050 - 0.0070 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	26 g/10 min @Load 10.0 kg, Temperature 250 Å°C	26 g/10 min @Load 22.0 lb, Temperature 482 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength at Break	48.1 MPa	6980 psi	5 mm/min; ASTM D638
Tensile Strength, Yield	58.8 MPa	8530 psi	5 mm/min; ASTM D638
Elongation at Break	23 %	23 %	5 mm/min; ASTM D638
Tensile Modulus	2.55 GPa	370 ksi	5 mm/min; ASTM D638
Flexural Strength	81.4 MPa	11800 psi	2.8 mm/min; ASTM D790
Flexural Modulus	2.45 GPa	356 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.755 J/cm @Thickness 6.35 mm	1.41 ft-lb/in @Thickness 0.250 in	ASTM D256
	0.755 J/cm @Thickness 3.17 mm	1.41 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	99.0 Å°C @Thickness 6.40 mm	210 Å°F @Thickness 0.252 in	ASTM D648
	90.0 Å°C	194 Å°F	

Deflection Temperature at 1.8 MPa (100 psi) Thermal Properties	Metric @ Thickness 6.40 mm	English @ Thickness 0.252 in	ASTM D648 Comments
Vicat Softening Point	102 Â°C	216 Â°F	B/50; ISO R306
	105 Â°C	221 Â°F	B/120; ISO R306

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China