

## Samsung Cheil Industries Starex<sup>®</sup> VH-0850 ABS, Unreinforced FR

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Unreinforced, Flame Retardant

### Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Samsung-Cheil-Industries-Starex-VH-0850-ABS-Unreinforced-FR.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-VH-0850-ABS-Unreinforced-FR.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 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	4.0 g/10 min @Load 5.00 kg, Temperature 200 Å°C	4.0 g/10 min @Load 11.0 lb, Temperature 392 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	97	97	ASTM D785
Tensile Strength, Yield	40.2 MPa	5830 psi	5 mm/min; ASTM D638
Flexural Strength	57.9 MPa	8400 psi	2.8 mm/min; ASTM D638
Flexural Modulus	2.06 GPa	299 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	2.45 J/cm @Thickness 6.35 mm	4.59 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	75.0 Å°C @Thickness 6.40 mm	167 Å°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	83.0 Å°C	181 Å°F	B/50; ISO R306
Flammability, UL94	V-0 @Thickness 1.50 - 6.00 mm	V-0 @Thickness 0.0591 - 0.236 in	
	5VB @Thickness 3.00 mm	5VB @Thickness 0.118 in	
	5VA	5VA	

Thermal Properties	@Thickness 2.50 mm Metric	@Thickness 0.0984 in English	Comments
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## 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