

## Samsung Cheil Industries Starex® VE-0860 ABS, Unreinforced FR

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

### Material Notes:

Flame-retardant ABS with high heat resistance that can be used in battery cases and adaptors. Information provided by Samsung Cheil Industries.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Samsung-Cheil-Industries-Starex-VE-0860-ABS-Unreinforced-FR.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-VE-0860-ABS-Unreinforced-FR.php)

| Physical Properties         | Metric                                                | English                                               | Comments   |
|-----------------------------|-------------------------------------------------------|-------------------------------------------------------|------------|
| Specific Gravity            | 1.16 g/cc                                             | 1.16 g/cc                                             | ASTM D792  |
| Linear Mold Shrinkage, Flow | 0.0030 - 0.0060 cm/cm<br>@Thickness 3.20 mm           | 0.0030 - 0.0060 in/in<br>@Thickness 0.126 in          | ASTM D955  |
| Melt Flow                   | 1.6 g/10 min<br>@Load 5.00 kg,<br>Temperature 200 Â°C | 1.6 g/10 min<br>@Load 11.0 lb,<br>Temperature 392 Â°F | ASTM D1238 |

| Mechanical Properties   | Metric                          | English                              | Comments              |
|-------------------------|---------------------------------|--------------------------------------|-----------------------|
| Hardness, Rockwell R    | 104                             | 104                                  | ASTM D785             |
| Tensile Strength, Yield | 43.1 MPa                        | 6260 psi                             | 5 mm/min; ASTM D638   |
| Flexural Strength       | 63.7 MPa                        | 9240 psi                             | 2.8 mm/min; ASTM D638 |
| Flexural Modulus        | 2.26 GPa                        | 327 ksi                              | 2.8 mm/min; ASTM D638 |
| Izod Impact, Notched    | 1.37 J/cm<br>@Thickness 6.35 mm | 2.57 ft-lb/in<br>@Thickness 0.250 in | ASTM D256             |

| Thermal Properties                          | Metric                           | English                             | Comments       |
|---------------------------------------------|----------------------------------|-------------------------------------|----------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 85.0 Â°C<br>@Thickness 6.40 mm   | 185 Â°F<br>@Thickness 0.252 in      | ASTM D648      |
| Vicat Softening Point                       | 97.0 Â°C                         | 207 Â°F                             | B/50; ISO R306 |
| Flammability, UL94                          | V-0<br>@Thickness 1.50 - 2.70 mm | V-0<br>@Thickness 0.0591 - 0.106 in |                |
|                                             | 5VB<br>@Thickness 2.50 - 2.70 mm | 5VB<br>@Thickness 0.0984 - 0.106 in |                |

## 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