

Samsung Cheil Industries Starex[®] VE-0860SE ABS, Unreinforced FR

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

Material Notes:

Flame-retardant ABS material that can be used in the exterior of adaptors, chargers etc. Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-VE-0860SE-ABS-Unreinforced-FR.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|---|---|------------|
| Specific Gravity | 1.21 g/cc | 1.21 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 | 9.4 g/10 min @Load 10.0 kg, Temperature 220 Å°C | 9.4 g/10 min @Load 22.0 lb, Temperature 428 Å°F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|---------------------------------|--------------------------------------|-----------------------|
| Hardness, Rockwell R | 100 | 100 | ASTM D785 |
| Tensile Strength at Break | 29.4 MPa | 4260 psi | 5 mm/min; ASTM D638 |
| Tensile Strength, Yield | 35.3 MPa | 5120 psi | 5 mm/min; ASTM D638 |
| Elongation at Break | 23 % | 23 % | 5 mm/min; ASTM D638 |
| Tensile Modulus | 1.94 GPa | 282 ksi | 5 mm/min; ASTM D638 |
| Flexural Strength | 54.9 MPa | 7960 psi | 2.8 mm/min; ASTM D638 |
| Flexural Modulus | 1.96 GPa | 284 ksi | 2.8 mm/min; ASTM D638 |
| Izod Impact, Notched | 1.77 J/cm @Thickness 6.35 mm | 3.31 ft-lb/in @Thickness 0.250 in | ASTM D256 |
| | 2.45 J/cm @Thickness 3.17 mm | 4.59 ft-lb/in @Thickness 0.125 in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|--------------------------------|--------------------------------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 100 Å°C @Thickness 6.40 mm | 212 Å°F @Thickness 0.252 in | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 90.0 Å°C @Thickness 6.40 mm | 194 Å°F @Thickness 0.252 in | ASTM D648 |

| Thermal Properties Vicat Softening Point | Metric 107°C | English 219°F | Comments B/120; ISO R306 |
|---|-------------------------------------|--|-----------------------------|
| | 104 Â°C | 219 Â°F | B/120; ISO R306 |
| Flammability, UL94 | V-0 @Thickness 1.50 - 2.70 mm | V-0 @Thickness 0.0591 - 0.106 in | |
| | 5VB @Thickness 2.50 - 2.70 mm | 5VB @Thickness 0.0984 - 0.106 in | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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