

Samsung Cheil Industries Starex[®] VH-0810 ABS, Unreinforced FR

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

Material Notes:

Flame-retardant ABS with excellent weather resistance that is used in the exterior of OA devices such as monitors, printers, fax machines, duplicators etc. Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-VH-0810-ABS-Unreinforced-FR.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|------------|
| Specific Gravity | 1.16 g/cc | 1.16 g/cc | ASTM D792 |
| Melt Flow | 6.0 g/10 min @Load 5.00 kg, Temperature 200 Å°C | 6.0 g/10 min @Load 11.0 lb, Temperature 392 Å°F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---------------------------------|--------------------------------------|-----------------------|
| Hardness, Rockwell R | 103 | 103 | ASTM D785 |
| Tensile Strength, Yield | 39.2 MPa | 5690 psi | 5 mm/min; ASTM D638 |
| Flexural Strength | 59.8 MPa | 8670 psi | 2.8 mm/min; ASTM D638 |
| Flexural Modulus | 2.16 GPa | 313 ksi | 2.8 mm/min; ASTM D638 |
| Izod Impact, Notched | 2.26 J/cm @Thickness 6.35 mm | 4.22 ft-lb/in @Thickness 0.250 in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|-------------------------------------|--|----------------|
| Vicat Softening Point | 85.0 Å°C | 185 Å°F | B/50; ISO R306 |
| Flammability, UL94 | V-0 @Thickness 2.50 - 6.00 mm | V-0 @Thickness 0.0984 - 0.236 in | |

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