

Samsung Cheil Industries Starex[®] HF-0660I ABS, Unreinforced

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

Material Notes:

Material with high flowability and high stiffness that can be used for vacuum cleaner, telephone, TV, VCR, calculator, radio and air-conditioner. Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-HF-0660I-ABS-Unreinforced.php

| Physical Properties | Metric | English | Comments |
|---------------------|---------------------------------------|---------------------------------------|------------|
| Specific Gravity | 1.04 g/cc | 1.04 g/cc | ASTM D792 |
| Melt Flow | 3.3 g/10 min | 3.3 g/10 min | ASTM D1238 |
| | @Load 5.00 kg, Temperature 200 Â°C | @Load 11.0 lb, Temperature 392 Â°F | |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|--------------------|---------------------|-----------------------|
| Hardness, Rockwell R | 109 | 109 | ASTM D785 |
| Tensile Strength, Yield | 39.2 MPa | 5690 psi | 5 mm/min; ASTM D638 |
| Flexural Strength | 58.8 MPa | 8530 psi | 2.8 mm/min; ASTM D790 |
| Flexural Modulus | 2.16 GPa | 313 ksi | 2.8 mm/min; ASTM D790 |
| Izod Impact, Notched | 1.96 J/cm | 3.67 ft-lb/in | ASTM D256 |
| | @Thickness 6.35 mm | @Thickness 0.250 in | |

| Thermal Properties | Metric | English | Comments |
|--|--------------------|---------------------|----------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 84.0 Â°C | 183 Â°F | ASTM D648 |
| | @Thickness 6.40 mm | @Thickness 0.252 in | |
| Vicat Softening Point | 92.0 Â°C | 198 Â°F | B/50; ISO R306 |

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