

Samsung Cheil Industries Starex[®] SF-0950 MABS, Unreinforced Scratch Resistant

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-SF-0950-MABS-Unreinforced-Scratch-Resistant.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|------------|
| Specific Gravity | 1.10 g/cc | 1.10 g/cc | ASTM D792 |
| Melt Flow | 13 g/10 min @Load 10.0 kg, Temperature 220 Å°C | 13 g/10 min @Load 22.0 lb, Temperature 428 Å°F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---------------------------------|--------------------------------------|-----------------------|
| Hardness, Rockwell R | 116 | 116 | ASTM D785 |
| Tensile Strength, Yield | 51.0 MPa | 7400 psi | 5 mm/min; ASTM D638 |
| Flexural Strength | 73.5 MPa | 10700 psi | 2.8 mm/min; ASTM D790 |
| Flexural Modulus | 2.55 GPa | 370 ksi | 2.8 mm/min; ASTM D790 |
| Izod Impact, Notched | 1.08 J/cm @Thickness 3.17 mm | 2.02 ft-lb/in @Thickness 0.125 in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|---------|---------|----------------|
| Vicat Softening Point | 100 Å°C | 212 Å°F | B/50; ISO R306 |

| Optical Properties | Metric | English | Comments |
|--------------------|----------------------------------|-------------------------------|--------------------------|
| Gloss | 90 % @Temperature 23.0 Å°C | 90 % @Temperature 73.4 Å°F | 50% RH, 60Å°; ASTM D2457 |

| Descriptive Properties | Value | Comments |
|------------------------|-------|------------------|
| Pencil Hardness | H | 500g, JIS K 5401 |

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