

Samsung Cheil Industries Starex[®] WR-9750H ASA, Unreinforced Extrusion Grade

Category : Polymer , Thermoplastic , ASA Polymer , Acrylonitrile/Styrene/Acrylate (ASA), Unreinforced, Molded

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-WR-9750H-ASA-Unreinforced-Extrusion-Grade.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|---|---|------------|
| Specific Gravity | 1.07 g/cc | 1.07 g/cc | ASTM D792 |
| Linear Mold Shrinkage, Flow | 0.0040 - 0.0070 cm/cm @Thickness 3.20 mm | 0.0040 - 0.0070 in/in @Thickness 0.126 in | ASTM D955 |
| Melt Flow | 4.0 g/10 min @Load 10.0 kg, Temperature 220 Å°C | 4.0 g/10 min @Load 22.0 lb, Temperature 428 Å°F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---------------------------------|--------------------------------------|-----------------------|
| Hardness, Rockwell R | 91 | 91 | ASTM D785 |
| Tensile Strength, Yield | 39.2 MPa | 5690 psi | 5 mm/min; ASTM D638 |
| Elongation at Break | 75 % | 75 % | 5 mm/min; ASTM D638 |
| Flexural Strength | 52.0 MPa | 7540 psi | 2.8 mm/min; ASTM D638 |
| Flexural Modulus | 1.67 GPa | 242 ksi | 2.8 mm/min; ASTM D638 |
| Izod Impact, Notched | 4.90 J/cm @Thickness 3.17 mm | 9.18 ft-lb/in @Thickness 0.125 in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|--------------------------------|--------------------------------|----------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 95.0 Å°C @Thickness 6.40 mm | 203 Å°F @Thickness 0.252 in | ASTM D648 |
| Vicat Softening Point | 95.0 Å°C | 203 Å°F | B/50; ISO R306 |
| Flammability, UL94 | HB @Thickness 1.50 mm | HB @Thickness 0.0591 in | |

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