

Samsung Cheil Industries Starex[®] TX-0510T TRABS, Unreinforced

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Transparent, 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-TX-0510T-TRABS-Unreinforced.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|------------|
| Specific Gravity | 1.10 g/cc | 1.10 g/cc | ASTM D792 |
| Melt Flow | 17 g/10 min @Load 10.0 kg, Temperature 220 Å°C | 17 g/10 min @Load 22.0 lb, Temperature 428 Å°F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---------------------------------|--------------------------------------|-----------------------|
| Hardness, Rockwell R | 109 | 109 | ASTM D785 |
| Tensile Strength, Yield | 45.1 MPa | 6540 psi | 5 mm/min; ASTM D638 |
| Flexural Strength | 63.7 MPa | 9240 psi | 2.8 mm/min; ASTM D638 |
| Flexural Modulus | 2.06 GPa | 299 ksi | 2.8 mm/min; ASTM D790 |
| Izod Impact, Notched | 1.27 J/cm @Thickness 3.17 mm | 2.39 ft-lb/in @Thickness 0.125 in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|------------------------------------|---------------------------------------|----------------|
| Vicat Softening Point | 88.0 Å°C | 190 Å°F | B/50; ISO R306 |
| Flammability, UL94 | HB @Thickness 1.50 - 3.00 mm | HB @Thickness 0.0591 - 0.118 in | |

| Optical Properties | Metric | English | Comments |
|-----------------------|-----------------------------|------------------------------|------------|
| Haze | 2.8 % @Thickness 3.20 mm | 2.8 % @Thickness 0.126 in | ASTM D1003 |
| Transmission, Visible | 88 % @Thickness 3.20 mm | 88 % @Thickness 0.126 in | ASTM D1003 |

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