

Spartech Spectar[®] Copolyester Sheet

Category : Polymer , Thermoplastic , Polyester, TP

Material Notes:

Description: Copolyester Sheet Spectar is a registered trademark of Eastman Chemical Company. Information provided by Spartech.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-Spectar-Copolyester-Sheet.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|-----------|
| Specific Gravity | 1.27 g/cc | 1.27 g/cc | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|--|--|-----------|
| Hardness, Rockwell R | 115 | 115 | ASTM D785 |
| Tensile Strength, Yield | 53.1 MPa | 7700 psi | ASTM D638 |
| Tensile Modulus | 2.21 GPa | 320 ksi | ASTM D638 |
| Flexural Yield Strength | 77.2 MPa | 11200 psi | ASTM D790 |
| Flexural Modulus | 2.14 GPa | 310 ksi | ASTM D790 |
| Izod Impact, Unnotched | 0.908 J/cm | 1.70 ft-lb/in | ASTM D256 |
| | 0.374 J/cm @Temperature -40.0 °C | 0.700 ft-lb/in @Temperature -40.0 °F | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|--|---|---|-----------|
| CTE, linear | 72.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature 20.0 °C | 40.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature 68.0 Å°F | ASTM D696 |
| Deflection Temperature at 0.46 MPa (66 psi) | 73.9 Å°C | 165 Å°F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 70.0 Å°C | 158 Å°F | ASTM D648 |
| Flammability, UL94 | HB | HB | |

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