

Spartech Millennium IV Glass Filled ABS Structural Sheet

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

Material Notes:

Description: Structural Sheet Information provided by Spartech.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-Millennium-IV-Glass-Filled-ABS-Structural-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D785
Tensile Strength, Yield	37.5 MPa	5440 psi	ASTM D638
Flexural Yield Strength	62.7 MPa	9100 psi	ASTM D790
Flexural Modulus	1.99 GPa	289 ksi	ASTM D790
Falling Dart Impact	27.8 J	20.5 ft-lb	73°F; ASTM D3029

Thermal Properties	Metric	English	Comments
CTE, linear	59.4 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$ @Temperature 20.0 $^{\circ}\text{C}$	33.0 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$ @Temperature 68.0 $^{\circ}\text{F}$	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	93.9 $^{\circ}\text{C}$	201 $^{\circ}\text{F}$	ASTM D648

Optical Properties	Metric	English	Comments
Gloss	90 %	90 %	Gardner; ASTM D2523

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