

Spartech Tuf-Glas Impact Modified Acrylic Sign Grade Sheet

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic, Optical Sheet

Material Notes:

Description: Sign Grade Sheet Information provided by Spartech.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-Tuf-Glas-Impact-Modified-Acrylic-Sign-Grade-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	52.4 MPa	7600 psi	ASTM D638
Tensile Modulus	2.28 GPa	330 ksi	ASTM D638
Flexural Yield Strength	96.5 MPa	14000 psi	ASTM D790
Flexural Modulus	2.62 GPa	380 ksi	ASTM D790
Izod Impact, Unnotched	0.320 J/cm	0.600 ft-lb/in	ASTM D256
Falling Dart Impact	8.13 J	6.00 ft-lb	73°F; ASTM D3029

Thermal Properties	Metric	English	Comments
CTE, linear	81.0 $\mu\text{m/m-}^{\circ}\text{C}$ @Temperature 20.0 $^{\circ}\text{C}$	45.0 $\mu\text{in/in-}^{\circ}\text{F}$ @Temperature 68.0 $^{\circ}\text{F}$	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	85.0 $^{\circ}\text{C}$	185 $^{\circ}\text{F}$	ASTM D648
Flammability, UL94	HB	HB	

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

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