

Royalite® R32

Fire-rated sheet

Product Description

Royalite® R32 thermoplastic sheet provides a fire-rated*, rigid PVC/acrylic product that combines high impact strength, tensile strength, stiffness and hardness with excellent formability. It meets the flame-retardant criteria of Underwriters Laboratories, Inc. and passes classification of UL94V-0. Royalite® R32 sheet has excellent chemical and stain resistance.

* This term and any corresponding data refer to typical performance in the specific tests indicated and should not be construed to imply this material's behavior under actual fire conditions.

Technical Properties

Property	Test Method	Value*
Specific Gravity (color dependent)	ASTM D-792	1.35
Tensile Strength	ASTM D-638	5,700 psi
Flexural Strength	ASTM D-790	9,250 psi
Flexural Modulus	ASTM D-790	300,000 psi
Izod Impact (Notched) 72°F	ASTM D-256	10.0 ft-lbs/in
Rockwell Hardness (R Scale)	ASTM D-785	100
Heat Deflection Temperature (@264 psi - annealed)	ASTM D-648	150°F
Thermal Conductivity	ASTM C-177	1.01 BTU/in/hr/ft ² /°F
Coefficient of Linear Thermal Expansion	ASTM D-696	4.0 - 6.0x10 ⁻⁵ in/in/°F
Motor Vehicle Safety Standard	FMVSS 302	Passes
Flammability	UL 94 V-0	passes

**All values based on 0.125" unless otherwise stated*

For additional information, please contact Spartech at 800-677-4338 (800-67-SHEET), e-mail info@spartech.com or visit our website at www.spartech.com

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