

Royalite® R557

Fire-rated sheet

Product Description

Royalite® R557 is an extruded sheet product manufactured from recycled PVC/ABS resin that passes FAR 25.853 Paragraph A. The excellent balance of physical and mechanical properties, combines with its flame rating, make R557 an excellent, cost-effective choice for a wide variety of applications in the electronics, equipment, and materials handling industries.

Technical Properties

Property	Test Method	Value*
Specific Gravity (color dependent)	ASTM D-792	1.18 - 1.25
Tensile Strength	ASTM D-638	4,600 psi
Flexural Strength	ASTM D-790	7,400 psi
Flexural Modulus	ASTM D-790	270,000 psi
Izod Impact (Notched) 72°F	ASTM D-256	5.5 ft-lbs/in
Rockwell Hardness (R Scale)	ASTM D-785	91
Heat Deflection Temperature (@264 psi - annealed)	ASTM D-648	175°F
Coefficient of Linear Thermal Expansion	ASTM D-696	4.6 - 5.5x10 ⁻⁵ in/in/°F
Mold Shrinkage	Internal	0.005 - 0.007 in/in
Motor Vehicle Safety Standard	FMVSS 302	Passes
Flammability	UL 94 V-0	Listed @ 0.091"
Flammability	UL 94-5VA	Listed @ 0.091"
Flammability - FAA - Vertical Burn - 60 second	FAR 25.853a	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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