Royalite® R552

Fire-rated sheet

Product Description

Royalite® R552 is UL 94V-0 and UL94 5VA, flame retardant extruded sheet product manufactured from recycled PVC/Acrylic resin. R552 also passes FAR 25.853 Paragraph A. The excellent balance of physical and mechanical properties, combined with its flame rating, make R552 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	1.35
Tensile Strength	ASTM D-638	5,500 psi
Flexural Strength	ASTM D-790	9,000 psi
Flexural Modulus	ASTM D-790	300,000 psi
Izod Impact (Notched) 72°F	ASTM D-256	7.5 ft-lbs/in
Rockwell Hardness (R Scale)	ASTM D-785	96
Heat Deflection Temperature (@264 psi - annealed)	ASTM D-648	150°F
Motor Vehicle Safety Standard	FMVSS 302	Passes
Flammability	UL 94 V-0	Listed @ 0.030"
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