

Royalite® R61

Low-smoke sheet

Product Description

Royalite® R61 is a low-smoke, PVC/acrylic sheet that has an excellent balance of physical and mechanical properties while carrying bus and rail smoke ratings.

Technical Properties

Property	Test Method	Value*
Specific Gravity (color dependent)	ASTM D-792	1.35-1.40
Izod Impact (Notched) 72°F	ASTM D-256	3.0 ft-lbs/in
Tensile Strength	ASTM D-638	5,900 psi
Flexural Strength	ASTM D-790	9,700 psi
Flexural Modulus	ASTM D-790	330,000 psi
Rockwell Hardness (R Scale)	ASTM D-785	103
Heat Deflection Temperature (@264 psi - annealed)	ASTM D-648	185°F
Coefficient of Linear Thermal Expansion	ASTM D-696	4.6 - 5.5 x10 ⁻⁵ in/in/°F
Bus and Rail Smoke Rating	UMTA/DOT/FRA	Passes
Motor Vehicle Safety Standard	FMVSS 302	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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