

Royalite® R66

Low-smoke sheet

Product Description

Royalite R66 thermoplastic sheet is formulated to meet the smoke and fire specifications recommended by the Federal Transit Administration. It consistently meets FTA guidelines for flammability* and smoke emission* as measured by ASTM E-162 and ASTM E-662 respectively, at thicknesses of 0.060" and greater. This fact should be carefully considered when designing parts, as end use compliance may be based on the thickness of the part when it is installed.

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	9,500 psi
Flexural Modulus	ASTM D-790	320,000 psi
Rockwell Hardness (R Scale)	ASTM D-785	105
Heat Deflection Temperature (@ 264 psi - annealed)	ASTM D-648	170°F
Coefficient of Linear Thermal Expansion	ASTM D-696	4.6 - 5.5 x 10 ⁻⁵ in/in/°F
Radiant Panel	ASTM E-162	Passes < 35 Is
Smoke Density	ASTM E-662	Passes D _s <100 @ 1.5 min
Smoke Density	ASTM E-662	Passes D _s <200 @ 4 min
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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