

Royalite® R87/59

Flame rated weatherable sheet

Product Description

Royalite® R87/59 gives high weather resistance in an economical, fire-rated, rigid composite thermoplastic sheet. Its retention of impact strength after weathering is excellent and it is cost-competitive with painted ABS with the advantages of flammability performance and elimination of the need for painting. Royalite® R87/59 meets many flammability standards, including UL94 V-0 in gauges down to 0.047" and UL94-5VA in gauges as low as 0.090". It has high impact strength, high tensile strength and stiffness, and good formability.

Technical Properties

Property	Test Method	Value*
Specific Gravity (color dependent)	ASTM D-792	1.18 - 1.25
Izod Impact (Notched) 72°F	ASTM D-256	7.0 ft-lbs/in
Izod Impact (Notched) -20°F	ASTM D-256	1.5 ft-lbs/in
Tensile Strength	ASTM D-638	4,600 psi
Flexural Strength	ASTM D-790	6,600 psi
Flexural Modulus	ASTM D-790	220,000 psi
Rockwell Hardness (R Scale)	ASTM D-785	87
Heat Deflection Temperature (@264 psi - annealed)	ASTM D-648	165°F
Mold Shrinkage	Internal	0.005 - 0.007 in/in
Weatherability	UL 746C	Listed f1
Flammability	UL 94 V-0	Listed @ 0.047"
Flammability	UL 94-5VA	Listed @ 0.090"

**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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