

Royalite® R89

Flame Rated Weatherable Sheet

Product Description

Royalite® R89 thermoplastic sheet is a weatherable PVC that provides excellent impact, color and gloss retention under outdoor exposure conditions. Its weather resistance is superior to other materials in its class. The high impact and tensile strength, high stiffness, good formability and excellent weatherability allow for cost reductions by supporting thinner-walled parts.

Technical Properties

Property	Test Method	Value*
Specific Gravity (color dependent)	ASTM D-792	1.47
Izod Impact (Notched) 72°F	ASTM D-256	10.0 ft-lbs/in
Gardner Impact 72°F	ASTM D-5420	320 in-lb
Tensile Strength	ASTM D-638	6,200 psi
Flexural Strength	ASTM D-790	9,500 psi
Flexural Modulus	ASTM D-790	320,000 psi
Rockwell Hardness (R Scale)	ASTM D-785	100
Heat Deflection Temperature (@264 psi - annealed)	ASTM D-648	157°F
Mold Shrinkage	Internal	0.005 - 0.007 in/in
Motor Vehicle Safety Standard	FMVSS 302	Passes
Flammability	UL 94 V-0	Listed @ 0.060"
Flammability	UL 94-5VA	Listed @ 0.060"

*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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