SPARTECH™

Royalite® R86

Flame rated weatherable sheet

Product Description

Royalite® R86 thermoplastic sheet is a weatherable PVC/acrylic alloy that provides excellent impact, color and gloss retention under outdoor exposure conditions. Its weather resistance is superior to other materials in its class and is especially cost competitive because it is formulated to have a lower specific gravity. This reduces the weight per part, thus reducing the cost associated. The high impact and tensile strength, high stiffness, good formability and excellent weatherability allow for further cost reductions by supporting thinner-walled parts.

Technical Properties

Property	Test Method	Value*
Specific Gravity (color dependent)	ASTM D-792	1.33- 1.38
Izod Impact (Notched) 72°F	ASTM D-256	15.0 ft-lbs/in
Gardner Impact 72°F	ASTM D-5420	320 in-lb
Tensile Strength	ASTM D-638	5,700 psi
Flexural Strength	ASTM D-790	9,000 psi
Flexural Modulus	ASTM D-790	320,000 psi
Rockwell Hardness (R Scale)	ASTM D-785	97
Heat Deflection Temperature (@264 psi - annealed)	ASTM D-648	155°F
Mold Shrinkage	Internal	0.005 - 0.007 in/in
Motor Vehicle Safety Standard	FMVSS 302	Passes
Flammability	UL 94 V-0	Listed @ 0.028"
Flammability	UL 94-5VA	Listed @ 0.085"

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