

Royalite® R83/25

Rigid weatherable sheet

Product Description

Royalite® R83/25 thermoplastic sheet is a unique composite of Royalite® R83 high gloss weatherable cap sheet over Royalite® R25 high impact ABS substrate. It is ideal for rugged outdoor applications requiring high impact strength and stiffness. R83/25 is available in a variety of standard colors, and custom color matches also are available.

Technical Properties

Property	Test Method	Value*
Specific Gravity (color dependent)	ASTM D-792	1.02- 1.07
Izod Impact (Notched) 72°F	ASTM D-256	6.8 ft-lbs/in
Izod Impact (Notched) -20°F	ASTM D-256	2.0 ft-lbs/in
Tensile Strength	ASTM D-638	4,600 psi
Flexural Strength	ASTM D-790	8,500 psi
Flexural Modulus	ASTM D-790	280,000 psi
Rockwell Hardness (R Scale)	ASTM D-785	94
Heat Deflection Temperature (@ 264 psi - annealed)	ASTM D-648	195°F
Mold Shrinkage	Internal	0.005 - 0.007 in/in
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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