

Royalite® R23

Rigid ABS sheet

Product Description

Royalite® R23 thermoplastic sheet is an economical, rigid ABS product that provides an ideal balance of properties not available in most low cost ABS sheets. It combines high impact strength and outstanding formability with high tensile strength, high stiffness and excellent low and high temperature performance.

Technical Properties

Property	Test Method	Value*
Specific Gravity (color dependent)	ASTM D-792	1.03 - 1.05
Izod Impact (Notched) 72°F	ASTM D-256	4.0 ft-lbs/in
Tensile Strength	ASTM D-638	4,500 psi
Flexural Strength	ASTM D-790	8,700 psi
Flexural Modulus	ASTM D-790	280,000 psi
Rockwell Hardness (R Scale)	ASTM D-785	96
Heat Deflection Temperature (@264 psi - annealed)	ASTM D-648	200°F
Coefficient of Linear Thermal Expansion	ASTM D-696	4.2 - 5.6 x10 ⁻⁵ in/in/°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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