

# Royalite® R60

Fire-rated sheet

## Product Description

Royalite® R60 is a rigid, fire-rated, proprietary thermoplastic sheet specifically formulated to meet the requirements of the FAR 25.853a flammability\* test. It provides outstanding color, gloss and grain control while virtually eliminating grain and gloss retention problems after forming that are often found in other fire-rated materials. Royalite® R60 combines very high impact strength and stiffness with excellent formability in deep draws. It has high resistance to normal food and environmental stains, and its cleanability with common cleaners is simply outstanding.

## Technical Properties

Property	Test Method	Value <sup>‡</sup>
Specific Gravity (color dependent)	ASTM D-792	1.30 - 1.38
Tensile Strength	ASTM D-638	5,900 psi
Flexural Strength	ASTM D-790	9,600 psi
Flexural Modulus	ASTM D-790	330,000 psi
Izod Impact (Notched) 72°F	ASTM D-256	14.0 ft-lbs/in
Izod Impact (Notched) -20°F	ASTM D-256	1.0 ft-lbs/in
Rockwell Hardness (R Scale)	ASTM D-785	100
Heat Deflection Temperature (@264 psi - annealed)	ASTM D-648	155°F
Mold Shrinkage	ASTM D-523	0.005 - 0.007 in/in
Motor Vehicle Safety Standard	FMVSS 302	Passes
Flammability - FAA - Vertical Burn - 60 second	FAR 25.853a	Passes

<sup>‡</sup>All values based on 0.125" unless otherwise stated

\* This term and any corresponding data refer to typical performance in the specific tests indicated and should not be construed to imply this material's behavior under actual fire conditions.

For additional information, please contact Spartech at 800-677-4338 (800-67-SHEET), e-mail [info@spartech.com](mailto:info@spartech.com) or visit our website at [www.spartech.com](http://www.spartech.com)

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