

# Royalite® R57

Fire-rated sheet

## Product Description

Royalite® R57 thermoplastic sheet is a fire-rated, rigid PVC/ABS product specifically developed to meet Federal Aviation Administration requirements. It passes FAR 25.853 (a)(ii) at 0.047" and above. It is lightweight with very high impact strength, high tensile strength, stiffness and excellent formability.

## Technical Properties

Property	Test Method	Value*
Specific Gravity (color dependent)	ASTM D-792	1.18 - 1.26
Tensile Strength	ASTM D-638	4,800 psi
Flexural Strength	ASTM D-790	7,700 psi
Flexural Modulus	ASTM D-790	280,000 psi
Izod Impact (Notched) 72°F	ASTM D-256	8.0 ft-lbs/in
Izod Impact (Notched) -20°F	ASTM D-256	1.6 ft-lbs/in
Rockwell Hardness (R Scale)	ASTM D-785	93
Heat Deflection Temperature (@264 psi - annealed)	ASTM D-648	175°F
Motor Vehicle Safety Standard	FMVSS 302	Passes
Flammability - Vertical Burn - 12 second	FAR 25.853 (a)(ii)	Passes @ 0.047"

*\*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](mailto:info@spartech.com) or visit our website at [www.spartech.com](http://www.spartech.com)

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