

# Royalite® R105

PVC/Acrylic

## Product Description

Royalite® R105 is a soft, vinyl foam laminated FR PVC/Acrylic sheet. Royalite® R105 is designed for aircraft cabin, cockpit, and seat components. The sheet has excellent physical characteristics such as impact strength and ductility. Royalite® R105 passes FAR 25.853 (a)(i) @ 0.125" and FAR 25.853 (a)(ii) @ 0.125".

## Technical Properties

Property	Test Method	Value*
Specific Gravity (color dependent)	ASTM D-792	1.04
Tensile Strength	ASTM D-638	4,000 psi
Flexural Modulus	ASTM D-790	77,100 psi
Heat Deflection Temperature (@264 psi)	ASTM D-648	69°C
Hardness – Shore D	ASTM D-2240	73
Izod Impact (Notched) 72°F	ASTM D-256	12.2 ft-lb/inch
Flammability - FAA - Vertical Burn - 60 second	FAR 25.853 (a)(i)	Passes
Flammability - Vertical Burn - 12 second	FAR 25.853 (a)(ii)	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](mailto:info@spartech.com) or visit our website at [www.spartech.com](http://www.spartech.com)

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