

Royalite® RoyalAero™ R755

Product Description

Royalite® RoyalAero™ R755 thermoplastic sheet is a rigid, smoke- and fire-rated PVC/Acrylic product with proprietary formulation of Spartech. It meets the FAA guidelines and the stringent requirements listed in FAR 25.853 (d) Part V and FAR 25.853 (d) part IV for commercial aircraft in aerospace application. RoyalAero™ R755 product is available in a range of gauges above 0.050", width and length, numerous grain textures and custom colors to meet various needs.

Technical Properties

Property	Test Method	Typical Value*
Specific Gravity	ASTM D792	1.47
Tensile Strength, psi	ASTM D638	6,100
Flexural Strength, psi	ASTM D790	10,100
Flexural Modulus, psi	ASTM D790	410,700
Rockwell Hardness (R Scale)	ASTM D785	98
HDT (@264 Psi, Annealed)	ASTM D648	153 °F
Coefficient of Linear Thermal Expansion	ASTM E831	3.6 x 10 ⁻⁵ /°F
Flammability Vertical Burn 60 second†	FAR 25.853 (a)(i)	Passes
Flammability Vertical Burn 12 second†	FAR 25.853 (a) (ii)	Passes
OSU Heat Release†	FAR 25.853 (d) Part IV	Passes
Smoke Density†	FAR 25.853 (d) Part V	Passes
Mold Shrinkage	Forming	0.2-0.8%

**Not intended for product specification; All values based on 0.125" unless otherwise stated; † all gauges available*

For additional information please contact Spartech at 800-677-4333, e-mail: infor@spartech.com or visit our website at www.spartech.com

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