

**Gillfab™ 1694 Laminate**

June 2005

Description

Gillfab 1694 is a high performance laminate made from e-glass woven roving reinforced phenolic resin.

Applications

Laminate designed for use as high performance facing in aircraft interiors and other applications which require low smoke and toxic gas emission. Also used as shim stock material.

Features

- Easy to machine.
- Superior flammability properties - meets FAR 25.853: Part 25, Appendix F, Parts I, IV and V.

Availability

Thickness:	0.036" (0.9mm) and up, in multiples of .018" (.46mm)
Length:	Up to 144" (3,858 mm)
Width:	Up to 48" (1,219 mm)

Standard Tolerances

Thickness: +/- 10%
Length and Width: + 0.5" (12.7mm) - 0"

Alternative Gill Products

Product Number	Difference
•Gillfab 1394	Ballistic laminate, phenolic resin with S-2 Glass® woven roving
•Gillfab 1002	Phenolic/woven fiberglass laminate for high temperature service to 350°F (177°C), intermittent to 500°F (260°C)
•Gillfab 1042	Similar to Gillfab 1002, but lower service temperature of 300°F (149°C)



Typical Properties of Gillfab 1694
0.114 ins (2.9 mm) thick

Property	Test Method	Measurement
Weight, max psf (kg/m²)	GTP 085*	1.2 (7.32)
Thickness, ins. (mm)	GTP 084*	0.114 (2.9)
Tensile Strength, ksi (MPa)	ASTM D 638	64.6 (445)
Edgewise Compressive ksi (MPa)	ASTM D 695	34.2 (236)
45 ° Shear Strength, ksi (MPa)	ASTM D 638	6.5 (45)
Edge Bearing Strength, ksi (MPa)	BMS8-223	47.3 (326)
Lap Shear Strength, psi (MPa)	ASTM D 3164	2142 (15)

* M. C. Gill Corp. Test Procedure

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