

**Gillfab™ 1360A Laminate**
Kevlar® Ballistic Laminate

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Description

Gillfab 1360A is a high performance ballistic laminate made from woven Kevlar® 29 fabric reinforced phenolic resin.

Applications

Designed for use in a wide range of applications, including cockpit doors, bulkheads, armored vehicles and naval vessels, where weight, fire resistance and smoke emissions are critical. Ideal for aircraft interior applications where weight, fire resistance and smoke emissions are of primary concern.

Features

- Tested to meet the NIJ III-A threat level by an independent ballistics laboratory at 0.320ins (8.13mm) thickness, using the NIJ 0101.04 test procedure as recommended by the FAA AC 25.795-2.
- Light weight - 29% lighter than S-2 Glass® roving reinforced material having comparable bullet resistance.
- Superior flammability properties - meets FAR 25.853 Parts I, IV and V

Availability

Thickness:	0.090 ins (2.29 mm) and up, in multiples of .018ins (.46 mm)
Length:	Up to 144ins (3858 mm)
Width:	Up to 60ins (1524 mm)

Construction

Resin: Fire resistant polyester.
Reinforcement: Fiberglass cloth.
Surface: .004" Gillcoated coating on Gilliner 1266.

Standard Tolerances

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



Alternative Gill Products

Product Number	Difference
Gillfab 1394	S-2 Glass reinforced phenolic laminate is heavier but lower cost.
Gillfab 1360	Aramid fabric reinforced phenolic laminate that is lighter weight, thinner, lower cost.

Properties of Gillfab 1360A
 A Kevlar® Fabric Ballistic Laminate
 0.320 ins (8.1 mm) thick

Typical Properties	
Weight, max psf (kg/m ²)	2.1 (10.3)
Thickness, ins. (mm)	0.320 (8.1)
Mechanical Properties	
Tensile Strength, ksi (megapascal) Tested in warp direction	55 (379)
Tensile Modulus, msi (gigapascal) Tested in warp direction	1.9 (13.1)
Flexural Strength, ksi (megapascal) Tested in warp direction	15 (103)
Flexural Modulus, msi (gigapascal) Tested in warp direction	2 (13.8)
Flammability	
Smoke Emission,Flaming, per FAR 25, App. F, Part V, D	7
Heat Release, per FAR 25, App. F, Part IV, kW/m ² -kW-min./m ²	41/15
Flammability, per FAR 25, App. F, Part I Extinguishing time, secs. Drip time, secs. Burn Length, ins. (mm)	0 0 0

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For a price quotation on Gilfab ® 1360, please contact

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