

**Gillfab™ 1108A/B Laminate**

August 1996

Description

Gillfab 1108 is a unidirectional fiberglass reinforced epoxy laminate with white Tedlar on both sides.

Applications

Aircraft cargo compartment liner.

Features

- Very high impact resistance.
- Fire resistant.
- Service temperature: To 180°F.

Specifications

- BMS 8-100 Gr A, CI 1 and 2.
- CI 1 = outside fiber direction parallel to width.
- CI 2 = outside fiber direction parallel to length.
- FAR 25.853 and 25.855(a-1), App. F, Part III.

Availability

Thickness: .020", .030", .040", .050" and .070".

Length: Up to 14'.

Width: Up to 72".

Construction

Resin: Modified epoxy.

Reinforcement: Unidirectional fiberglass.

Surface: 1 mil Tedlar® overlay on both sides.

Standard Tolerances

Thickness: +/- 10%

Length: + 1", - 0"

Width: + 1", - 0"



Alternative Gill Products

Product Number	Difference
Gillfab 1366	Fiberglass cloth reinforced polyester.
Gillfab 1367	Fiberglass cloth reinforced phenolic. Low smoke.

Properties of Gillfab 1108

Based on a .040" thick laminate (Unless Noted)

Property	Test Method	Typical Values	
		English	(Metric)
Mechanical			
(.125" thick laminate)			
Compressive Ultimate, ksi (MPa)	ASTM D695	55 1*	(379)
Minimum Average		45 2*	(310)
Compressive Modulus, msi (GPa)	ASTM D695	4.5 1*	(31)
Minimum Average		4.2 2*	(29)
Tensile Ultimate, ksi (MPa)	ASTM D638	77.8 1*	(536)
Minimum Average		75 2*	(517)
Flexural Ultimate, ksi (MPa)	ASTM D790	90 1*	(620)
Minimum Average		75 2*	(517)
Flexural Modulus, msi (GPa)	ASTM D790	3.6 1*	(25)
Minimum Average		3.1 2*	(21)
Water Absorption, % by weight Maximum Average	ASTM D570 (24 Hours Immersion)	0.5	
Bond Strength, ksi (MPa) Minimum Average	BMS 8-100G	0.8	(5.5)
Physical			
Thickness, inches (mm) (\pm 10%)	BMS 8-100G	.040	(1.016)
Weight, psf (kg/m ²), maximum	BMS 8-100G	.46	(2.25)
Impact Strength, ft-lb (N-m), minimum	BSS 7326	12.0	(16.27)
60 Seconds Vertical Flammability Test	BSS 7230	Pass	
30 Seconds, 45 Degree Flammability Test	BSS 7230	Pass	
1. Parallel to the outside fiber direction. 2. Perpendicular to the outside fiber direction.			

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