



PRODUCT DATA SHEET

Gillfab® 1368G

DESCRIPTION

Gillfab® 1368G series laminates are ultra-light weight, high strength, low FST grade liners constructed using S-glass cloth with a modified phenolic resin system and an optional 1 mil white Polyvinyl Fluoride (PVF) film overlay on the face side for surface reflectivity and uniform appearance. Gillfab® 1368G is an alternative to other Gillfab® 1368 series for aircraft cargo liners which maximizes weight savings.

APPLICATIONS

Cargo liners for cargo compartment, bulkhead facings and blowout panels for aircraft.

FEATURES

- High impact strength
- Fire resistant
- Corrosion resistant
- Low moisture absorption
- Low smoke and toxicity generation
- Service temperature -40°F to 220°F (-40°C to 110°C)
- Offers 30-40% weight savings as compared to Gillfab® 1368A

AVAILABILITY

	Gillfab® 1368G 1-Sided PVF Film
Thickness inch (mm)	0.007 (0.178) 0.027 (0.686)
Length	Standard 144 inch (3,658 mm) Maximum 168 inch (4,267 mm)
Width	Standard 48 inch (1,219 mm) Maximum 72 inch (1,829 mm)

	Sides	Gillfab® 1368G	Available Upon Request
Color	Face side	1 mil White PVF Film	Amber Granite Grey Misty Beige
	Face side	Amber	Amber

CONSTRUCTION

- Reinforcement:** Woven fiberglass cloth
Resin System: Phenolic
Surface Finish: 1 mil white PVF Film overlay for standard applications





ALTERNATIVE GILLFAB® 1368 PRODUCTS

Gillfab® 1368 series are high strength, high impact and fire resistant fiberglass reinforced phenolic laminates for aircraft cargo liner applications.

TGC Product No.	Difference
Gillfab® 1368A	High strength, high impact, low FST, fiberglass reinforced phenolic laminate for aircraft cargo liner applications.
Gillfab® 1368B	Thinner and lighter than 1368A.
Gillfab® 1367C	1368A construction in roll form.
Gillfab® 1368E	1368A with 1mil white PVF film bonded to both faces of the laminate.
Gillfab® 1368G	Extremely thin, lightweight and superior impact strength to corresponding types.
Gillfab® 1367M	1368B construction in roll form.

SPECIFICATIONS

Gillfab® 1368G

- Boeing BMS 8-223, Class 5, Grade B, All Types
- FAR Part 25 Appendix F Parts I and III (Burn Through)

HEALTH PRECAUTIONS

This product is safe to use and apply when recommended precautions are followed. Before using this product, read and understand the Safety Data Sheet (SDS), which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. A SDS is available at <https://www.thegillcorp.com/msds.php>.

For industrial use only. Keep away from children. Additional information can be found at: www.thegillcorp.com. For sales and ordering information call 1-626-443-6094.

PERFORMANCE PROPERTIES, TYPICAL

TGC Part Number		1368G007	1368G027
Thickness, inch (mm)		0.007 (0.18)	0.026 (0.69)
Weight, psf (kg/m ²)		0.067 (0.33)	0.247 (1.20)
Impact Strength ¹ , ft·lbf (N·m)		13 (18)	33 (45)
Edge Bearing ² , kpsi (mpa)	Warp	55 (379)	
	Fill	50 (345)	
Climbing Drum Peel ³ , lbf/3 inch width (N/76 mm width)	Warp	N/A	340 (1,510)
	Fill	N/A	300 (1,330)
Double Point Edge Bearing ² lbf (N)	Warp	315 (1,400)	N/A
	Fill	300 (1,330)	N/A
Overlay Film Peel ⁴ lb/in (N/mm)		3.0 (0.52) – No PVF Film Separation	
Flammability		Meets requirements of FAR 25.853 & 855 Appendix F Part I & III	

Figures shown reflect typical values and should not be used as design specifications.

- ¹ - Calculated per ASTM D5420 using a modified dart and specimen test frame.
- ² - Tested per ASTM D953 using a modified test fixture.
- ³ - Tested per ASTM D1781.
- ⁴ - Tested using a modified ASTM D3330 using a standard tape to peel PVF film overlay.

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