



PRODUCT DATA SHEET

Gillfab® 1369A

DESCRIPTION

Gillfab® 1369 series laminates are high strength, low FST grade liners constructed using woven E- and/or S-glass cloth with a modified phenolic resin system and an optional 1 mil Polyvinyl Fluoride (PVF) film overlay on the face side for surface reflectivity and uniform appearance.

APPLICATIONS

Cargo liners for cargo compartment, bulkhead facings and blowout panels for aircraft. Also used as backing material for non-textile floor mats used in wet areas of cabin interior (without PVF film overlay).

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)

AVAILABILITY

	Gillfab® 1369A 1-Sided PVF Film
Thickness inch (mm)	0.013 (0.330) 0.020 (0.508) 0.025 (0.635) 0.030 (0.762) 0.040 (1.016) 0.045 (1.143) 0.060 (1.524)
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® 1369A	Available Upon Request
Color	Face Side	1 mil White PVF Film	Granite Grey Misty Beige
	Back Side	Amber	Amber

CONSTRUCTION

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



ALTERNATIVE GILLFAB® 1369 PRODUCTS

Gillfab® 1369 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® 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.

SPECIFICATIONS

Gillfab® 1369A

- Airbus AI 2550M1M000800 Types 13, 25, 40, 45, and 60
- Airbus ABS 5777, AIMS05-11-001 Types 20, 40, 45, and 60, and AIMS05-11-004 Type 20
- FAR 25.853 and 25.855 Appendix F Parts I, III, IV and V

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. An 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		1369A013	1369A020	1369A025	1369A030	1369A040	1369A045	1369A060
Thickness, inch (mm)		0.013 (0.33)	0.020 (0.51)	0.025 (0.64)	0.030 (0.76)	0.040 (1.02)	0.045 (1.14)	0.060 (1.52)
Weight, psf (kg/m ²)		0.12 (0.60)	0.20 (0.98)	0.24 (1.17)	0.29 (1.42)	0.38 (1.85)	0.44 (2.15)	0.57 (2.77)
Impact Strength ¹ , ft-lbf (N-m)		9 (12)	11 (15)	11 (15)	12 (16)	18 (24)	20 (27)	23 (31)
Edge Bearing ² , kpsi (MPa)	Warp	N/A	43 (300)					
	Fill	N/A	38 (260)					
Flexural Strength ³ , kpsi (MPa)	Warp	N/A	N/A	N/A	40 (278)			
	Fill	N/A	N/A	N/A	34 (234)			
Flexural Modulus ³ , Mpsi (GPa)	Warp	N/A	N/A	N/A	2.5 (17)			
	Fill	N/A	N/A	N/A	2.2 (15)			
Tensile Strength ⁴ , kpsi (MPa)	Warp	55 (380)						
	Fill	50 (345)						
Tensile Modulus ⁴ , Mpsi (GPa)	Warp	3.3 (23)						
	Fill	3.0 (21)						
Water Absorption ⁵ , %		<1.0						
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 ISO 178.

⁴ - Tested per ISO 527-4

⁵ - Tested per ISO 62 Method 1.