



## PRODUCT DATA SHEET

# Gillfab® 1167/1167A

### DESCRIPTION

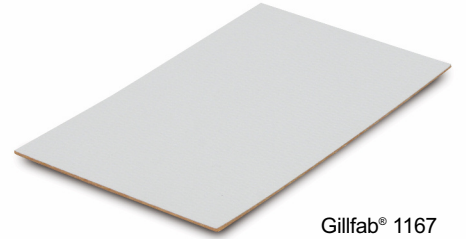
Gillfab® 1167 and 1167A are excellent impact resistant laminates made from fiberglass cloth reinforced phenolic resin. Gillfab® 1167 has a white polyvinyl fluoride film overlay on the face side and Gillfab® 1167A does not.

### APPLICATIONS

The laminate is designed for high impact resistant aircraft cargo compartment liner.

### FEATURES

- High impact strength
- High puncture resistance
- High corrosion resistance
- Low smoke density and toxicity
- White polyvinyl fluoride film overlay on face side for surface reflectivity and resistance to cleaning solutions
- Service temperature: to 220°F (110°C)



Gillfab® 1167

### AVAILABILITY

	Gillfab® 1167	Gillfab® 1167A
Thickness, inch (mm)	0.016 (0.406)	0.016 (0.406)
	0.025 (0.635)	0.025 (0.635)
	0.030 (0.762)	0.045 (1.143)
	0.040 (1.016)	0.090 (2.286)
	0.045 (1.143)	
	0.060 (1.524)	
	0.090 (2.286)	
Color	White on face side, amber on back side	Amber on both sides
Length, inch (mm)	Typical 144 (3,658), Maximum 144 (3,658)	
Width, inch (mm)	Typical 48 (1,219), Maximum 60 (1,524)	



### CONSTRUCTION

**Resin:** Phenolic  
**Reinforcement:** Woven fiberglass cloth  
**Surface:** 1 mil white polyvinyl fluoride film overlay

### ALTERNATIVE GILL PRODUCTS

TGC Product No.	Difference
Gillfab® 1100	High impact laminate made from fiberglass cloth reinforced polyester resin.
Gillfab® 1367A	Higher impact resistant than Gillfab®1100, made from fiberglass cloth reinforced phenolic resin.

### SPECIFICATIONS

Gillfab® 1167

- McDonnell Douglas - DMS 2226 Type 1, Class 1
- FAR 25.855

Gillfab® 1167A

- DMS 2226 Type I, CL2



**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](http://www.thegillcorp.com). For sales and ordering information call 1-626-443-6094.

**PERFORMANCE PROPERTIES, TYPICAL**

The following tests are run in accordance with DMS 2226.

TGC Part Number		Type 16	Type 25	Type 30	Type 45
Weight, psf (kg/m <sup>2</sup> )		0.15 (0.73)	0.24 (1.2)	0.29 (1.4)	0.43 (2.1)
Thickness, in (mm)		0.01 (0.4)	0.02 (0.61)	0.03 (0.7)	0.04 (1.1)
Water Absorption (%)		1.3	1.2	1.1	1
Impact, ft-lbs (N-m)		36 (49)	52 (71)	56 (76)	>60 (>81)
Bolt Joint Strength <sup>1</sup> , lbs (N)		296 (1,317)	320 (1,423)	429 (1,908)	574 (2,553)
Bending Strength, ksi (mpa)	Warp	NR	48.71 (336)	64.55 (445)	54.4 (375)
	Fill	NR	40.84 (282)	59.13 (408)	39 (269)
Bending Modulus, msi (gpa)	Warp	NR	3.14 (22)	2.7 (18)	3.43 (24)
	Fill	NR	2.14 (15)	2.2 (15)	3.2 (22)
Tensile Strength, ksi (mpa)	Warp	62 (428)	73 (502)	70 (482)	71 (490)
	Fill	61 (420)	70 (479)	64 (439)	64 (444)
Tensile Modulus, msi (gpa)	Warp	3 (21)	3.3 (23)	3.4 (24)	3.4 (24)
	Fill	2.7 (19)	3 (21)	3.2 (22.1)	3.1 (21.4)
Flammability		Meets FAR 25.853 & 855 App F Part I and III			

<sup>1</sup> Reported in warp direction.  
NR = No Requirement

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

All recommendations, statements, values and technical data herein are based on tests The Gill Corporation believes to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. Users shall rely on their own information and tests to determine suitability of the product for the intended use and assume all risks and liability resulting from their use of the product. The Gill Corporation's sole responsibility shall be to replace that portion of the product that proves to be defective. The Gill Corporation will not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements not contained in a written agreement signed by an officer of The Gill Corporation shall not be binding upon The Gill Corporation. Gillfab® is a registered trademark of The Gill Corporation.