



PRODUCT DATA SHEET

Gillfab® 1100

DESCRIPTION

Gillfab® 1100 is a rigid laminate made from fiberglass cloth reinforced polyester. Gillfab® 1100 has a layer of white polyvinyl fluoride film overlay.

APPLICATIONS

The laminate is designed for high impact resistant cargo compartment lining on DC-10 aircraft.

FEATURES

- High flexural strength
- Puncture resistant
- Corrosion resistant
- Service temperature range: -100°F to 180°F (-73°C to 82°C).

AVAILABILITY

	Gillfab® 1100	
	Sheet Form	Roll Form
Thickness, inch (mm)	0.010 (0.254)	0.010 (0.254)
	0.016 (0.406)	0.016 (0.406)
	0.023 (0.584)	0.023 (0.584)
	0.030 (0.762)	0.030 (0.762)
	0.045 (1.143)	0.045 (1.143)
	0.060 (1.524)	
	0.070 (1.778)	
	0.090 (2.286)	
	0.120 (3.048)	
Length	Standard 144 in (3,658 mm)	Standard 150 LF (46 m)
	Maximum 144 in (3,658 mm)	Maximum 150 LF (46 m)
Width, inch (mm)	Standard 48 (1,219)	Standard 48 (1,219)
	Maximum 60 (1,524)	Maximum 60 (1,524)



Gillfab® 1100



CONSTRUCTION

Resin: Fire resistant polyester
Reinforcement: Woven fiberglass cloth
Surface: Matte

ALTERNATIVE GILL PRODUCTS

TGC Product No.	Difference
Gillfab® 1167	Fiberglass/phenolic cargo liner with excellent impact strength, low smoke density and toxicity.
Gillfab® 1367A	Fiberglass/phenolic cargo liner with high impact strength, low smoke density and toxicity.



SPECIFICATIONS

Gillfab® 1100

- DMS 1946 Ty I

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

The following tests are run in accordance with DMS 1946.

TGC Part Number		1100-016	1100-090
Weight, psf (kg/m ²)		0.20 (0.98)	0.91 (4.44)
Tensile Strength, ksi (mpa)	Warp	56 (386)	55 (379)
	Fill	48 (331)	50 (345)
Tensile Modulus, msi (gpa)	Warp	3.6 (25)	3.5 (24)
	Fill	2.9 (20)	3.3 (23)
Bolted Joint Strength, lbs (N)	Warp	235 (1,045)	912 (4,057)
	Fill	213 (947)	939 (4,177)
Flexural Strength, ksi (mpa)	Warp	N/A	80 (552)
	Fill	N/A	63 (434)
Flexural Modulus, msi (gpa)	Warp	N/A	3.2 (22)
	Fill	N/A	2.8 (19)
Impact Strength, ft-lbs (N-m)		6 (8.13)	54 (73.21)
Shear Strength, psi (kpa)		25,502 (175,830)	45,186 (311,547)
Flammability		Meets FAR 25.853 & 855 App F Part I and III	

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.