THE GILL CORPORATION

PRODUCT DATA SHEET

Gillfab™ 1100/1100G

DESCRIPTION

Gillfab™ 1100 and 1100G are rigid laminate made from fiberglass cloth reinforced polyester. Gillfab™ 1100 has a layer of white Tedlar® overlay and Gillfab™ 1100G has light green skins.

Gillfab™ 1100

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

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.

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SPECIFICATIONS

Gillfab™ 1100
- DMS 1946 Ty I

Gillfab™ 1100G
- DMS 1946 Ty II

HEALTH PRECAUTIONS

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

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 and technical data herein are based on tests we believe 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. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall 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 other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.

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