



## PRODUCT DATA SHEET

# Gilliner™ 1076D

### DESCRIPTION

Gilliner™ 1076D is a rigid, fire and wear resistant fiberglass-reinforced polyester laminate. The strong laminate maintains excellent weight properties for areas in aircraft subject to heavy wear and traffic.

### APPLICATIONS

Cargo liners for cargo compartment, bulkhead facing for aircraft. Designed for lower sidewalls where in-service conditions may result in wear through over frame sections, impact damage and/or fastener hole tear out at attach points.

### FEATURES

- High abrasion and wear resistance
- Superior strength to weight ratio
- Fire resistant
- Superior impact strength
- Service temperature to 180°F (82°C)

### AVAILABILITY

Thickness, inch (mm)	0.020 (0.51) and 0.045 (1.14)
Length	Maximum 144 in (3,658 mm) in sheet form Maximum 150 feet (45,720 mm) in roll form
Width, inch (mm)	Typical 48 (1,219), Maximum 60 (1,524) for roll Typical 48 (1,219), Maximum 72 (1,829) for sheet
Color	Natural



### CONSTRUCTION

- Resin:** Polyester
- Reinforcement:** Woven E-glass fiber cloth  
Non-woven adhesive carrier for high wear resistant applications
- Surface:** Glossy

### SPECIFICATIONS

- BMS 8-2, Class 3, Grade A
- 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 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](http://www.thegillcorp.com/products/msds/html).

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 BMS 8-2 specification requirements.

TGC Part Number	1076D Type 20	1076D Type 45
Thickness, in (mm)	0.020 (0.51)	0.045 (1.14)
Weight, psf (kg/m <sup>2</sup> )	0.10 (0.49)	0.47 (2.29)
Tensile Strength		
Warp direction, ksi (mpa)	73 (503)	73 (503)
Fill direction, ksi (mpa)	57 (393)	66 (455)
Flexural Strength		
Warp direction, ksi (mpa)	N/A	46 (317)
Fill direction, ksi (mpa)	N/A	44 (303)
Flexural Modulus		
Warp direction, ksi (mpa)	N/A	2.6 (18.0)
Fill direction, ksi (mpa)	N/A	3.0 (21.0)
Water Absorption, %	0.84	0.40
Bond Strength, lbs (N)	848 (3,772)	918 (4,083)
Impact, ft-lbs (N-m)	11 (15)	23 (31)
Edge Bearing Strength		
Warp direction, ksi (mpa)	50 (345)	38 (262)
Fill direction, ksi (mpa)	43 (296)	35 (241)
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.

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.