



Gilliner™ 1076C

DESCRIPTION

Gilliner™ 1076C is a rigid, light weight, and fire resistant fiberglass reinforced polyester laminate. Gilliner™ 1076C is an economical alternative to Gilliner™ 1076D for general purpose applications where heavy wear and traffic is not a concern.

APPLICATIONS

Cargo liners for cargo compartment, bulkhead facings and blowout panels for aircraft.

FEATURES

- Good strength to weight ratio
- Fire resistant
- Service temperature to 180°F (82°C)

AVAILABILITY

Available in sheet form or roll form

Thickness, inch (mm)	0.013 (0.33)	0.059 (1.50)
	0.023 (0.58)	0.070 (1.78)
	0.035 (0.89)	0.090 (2.30)
	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 72 (1,829) in sheet form Maximum 60 (1,524) in roll form	
Color	Natural	



CONSTRUCTION

- Resin:** Polyester
Reinforcement: Woven E-glass fiber cloth
Surface: Glossy

SPECIFICATIONS

- BMS 8-2 CL1 Grade A

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 BMS 8-2 specification requirements.

TGC Part Number	1076C Type 13	1076C Type 23	1076C Type 35	1076C Type 45	1076C Type 59	1076C Type 70
Thickness, in (mm)	0.011 (0.28)	0.021 (0.53)	0.033 (0.84)	0.043 (1.09)	0.055 (1.40)	0.066 (1.78)
Weight, psf (kg/m ²)	0.11 (0.54)	0.21 (1.03)	0.32 (1.56)	0.45 (2.20)	0.55 (2.68)	0.64 (3.12)
Tensile strength						
Warp direction, ksi (mpa)	62 (427)	69 (476)	66 (455)	83 (572)	72 (496)	70 (482)
Fill direction, ksi (mpa)	48 (331)	63 (434)	57 (393)	62 (427)	52 (358)	54 (372)
Flexural strength						
Warp direction, ksi (mpa)	-	-	-	60 (413)	55 (379)	50 (344)
Fill direction, ksi (mpa)	-	-	-	55 (379)	54 (372)	47 (324)
Flexural modulus						
Warp direction, ksi (mpa)	-	-	-	2.5 (17.2)	2.7 (18.6)	2.8 (19.3)
Fill direction, ksi (mpa)	-	-	-	2.6 (17.9)	2.8 (19.3)	2.9 (20.0)
Water absorption, %	0.44	0.48	0.30	0.33	0.46	0.15
Bond strength, lbs (N)	549 (2,442)	1094 (4,866)	851 (3,785)	868 (3,861)	1,025 (4,559)	971 (4,319)
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.