



# Gilliner® 1076C

## DESCRIPTION

Gilliner® 1076C is general purpose Grade liner constructed from woven E-glass cloth with a polyester resin system. This product has good mechanical strength for use in the cargo compartment areas, bulkhead facings and blowout panels for commercial aircraft.

## 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<br>Maximum 150 feet (45,720 mm) in roll form       |              |
| Width, inch (mm)     | Typical 48 (1,219),<br>Maximum 72 (1,829) in sheet form<br>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 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 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 <sup>2</sup> ) | 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, 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. Gilliner® is a registered trademark of The Gill Corporation.