



PRODUCT DATA SHEET

Gilliner® 1066/1066R

DESCRIPTION

Gilliner® 1066 is a general purpose laminate made from fiberglass cloth reinforced polyester resin. Gilliner® 1066 is available with a 1 mil white Tedlar® overlay (Gilliner® 1066T) on the face side or with bondable surface panel facings (Gilliner® 1066S). Gilliner® 1066 comes in sheet or roll stock. Request Gilliner® 1066R for thicknesses under 0.060 inch (1.52 mm).

APPLICATIONS

The laminate is designed for general purpose aircraft cargo compartment liner.

FEATURES

- Good impact strength
- Puncture and corrosion resistant
- Service temperature to: 180°F (80°C)

AVAILABILITY

|                      | Gilliner® 1066<br>(Sheet form) | Gilliner® 1066<br>(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)                  | 0.060 (1.524)                 |
|                      | 0.070 (1.778)                  |                               |
|                      | 0.075 (1.905)                  |                               |
|                      | 0.090 (2.286)                  |                               |
|                      | 0.125 (3.175)                  |                               |
| Length, inch (mm)    | Standard 144 (3,658)           | Standard 150 feet (45,720)    |
|                      | Maximum 168 (4,267)            | Maximum 150 feet (45,720)     |
| Width, inch (mm)     | Standard 48 (1,219)            | Standard 48 (1,219)           |
|                      | Maximum 60 (1,524)             | Maximum 60 (1,524)            |



CONSTRUCTION

**Resin System:** Polyester resin  
**Reinforcement:** Woven fiberglass cloth

ALTERNATIVE GILL PRODUCTS

| TGC Product No. | Difference   |
|-----------------|--|
| Gilliner® 1366T | Fiberglass/polyester laminate with higher impact strength and puncture resistance. |

SPECIFICATIONS

- Proprietary - FAR 25.855 Flammability



**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 DMS 1946.

| TGC Product                      |      | 1066-013                            | 1066-016    | 1066-023    | 1066-030    | 1066-045    | 1066-060    |
|----------------------------------|------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|
| Weight, psf (kg/m <sup>2</sup> ) |      | 0.12 (0.60)                         | 0.19 (0.91) | 0.22 (1.05) | 0.30 (1.42) | 0.44 (2.14) | 0.60 (2.80) |
| Edge Bearing, ksi (Mpa)          | Warp | 28 (193)                            | 39 (269)    | 28 (193)    | 30 (207)    | 32 (221)    | 38 (262)    |
|                                  | Fill | 32 (221)                            | 34 (234)    | 25 (172)    | 32 (221)    | 61 (421)    | 43 (296)    |
| Bolted Joint Strength, lbs (N)   | Warp | 258 (1,148)                         | 169 (752)   | 401 (1,784) | 239 (1,063) | 453 (2,015) | 653 (2,905) |
|                                  | Fill | 240 (1,068)                         | 179 (796)   | 365 (1,624) | 274 (1,219) | 569 (2,531) | 409 (1,819) |
| Impact Strength, ft-lbs (N-m)    |      | 6 (8)                               | 9 (12)      | 11 (15)     | 17 (23)     | 25 (34)     | 35 (48)     |
| Water absorption, %              |      | 1.5                                 | 1.3         | 1.3         | 1.6         | 2.9         | 2.1         |
| Flammability                     |      | Meets FAR 25.853 & 855 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.