



Gillfab™ 1367M Laminate

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Description

Gillfab 1367M is a low smoke emission cargo liner with high impact properties made from woven glass cloth and phenolic resin.

Applications

Cargo compartment lining. Used as a lining where high impact and low smoke emissions and toxicity are important.

Features

- High puncture resistance.
- Low smoke emissions in a fire.
- Burn-through resistant - passes FAA Oil Burner
- FAR 25.855, Appendix F, Part III.
- Good mechanical strength and rigidity.
- Service temperature range: To 220°F.
- White Tedlar® overlay on face side for uniform color.

Specifications

- Meets Boeing BMS 8-223, Class 4
- FAR 25.853 and 25.855 (a-1), Appendix F, Part III,
- Oil Burner - burn-through resistance.
- ATS 1000.001.

Availability

| | |
|------------|---------------|
| Thickness: | Up to 0.030". |
| Length: | Up to 150'. |
| Width: | Up to 60". |

Construction

Resin: Modified phenolic.
Reinforcement: Woven glass cloth.
Surface: 1 mil Tedlar overlay.



Standard Tolerances

| | |
|-------------|--|
| Thickness: | +/- .003" (.013" and .020"); all other \pm 10% |
| Length: | + 0.5", - 0" |
| Width: | + 0.5", - 0" |
| Warp Twist: | 3% of dimension measured |

Alternative Gill Products

| Product Number | Difference |
|----------------|--|
| Gillfab 1366 | Lower cost but higher smoke emission (uses polyester resin). |
| Gillfab 1367 | Very similar but slightly higher impact values. |
| Gillfab 1367A | Similar but qualified to both Boeing (BMS 8-223 CI 2) and Douglas (DMS 2419) specifications. |
| Gillfab 1367E | Has .001" Tedlar overlay on both sides. |
| Gillfab 1367B | Manufactured in sheet stock. |



Properties of Gillfab 1367M

Based on 0.030" thickness

| Property | Test Method | Typical Values | |
|---|-------------|----------------|----------|
| | | English | (Metric) |
| Mechanical Properties | | | |
| Tested in warp and fill direction at room temperature | | | |
| Edge bearing strength, ksi | BMS 8-223 | | |
| Warp direction | | 40 | (276) |
| Fill direction | | 39 | (269) |
| Physical Properties | | | |
| Weight, psf | | 0.275 | (0.12) |
| Thickness, in | | 0.030 | (0.76) |
| Impact strength, ft-lbs | BMS 8-223 | 27.5 | (32.7) |
| Water absorption, % max. | ASTM D 570 | 1.78 | |
| Flammability | | | |
| 60 second, vertical | BSS 7230 | | |
| Self extinguishing time, sec | | 3.2 | |
| Burn length, in | | 2.2 | |
| (55.9) | | | |
| Drip extinguishing time, sec | | none | |
| 30 second, 45° | BSS 7230 | | |
| Self extinguishing time, sec | | 0 | |
| Afterglow, sec | | 0 | |
| Flame penetration | | none | |
| Flame penetration resistance | BSS 7323 | none | |
| Tedlar® peel test, lb/in | BMS 8-223 | | |
| Warp direction | | 3.3 | (58.3) |
| Fill direction | | 3.1 | (55.4) |
| Smoke emission | ASTM 662 | 51 | |
| D _s @ 4 min., flaming | | | |

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