



# High Impact Phenolic Cargo Liner Technical Bulletin

## Product Identification

### Grade: **Conolite® 5100T Series Cargo Liner**

Conolite® 5100T Series laminates are low smoke, low toxicity fiberglass reinforced phenolic cargo liners. These laminates are manufactured in compliance with all current FAA requirements and meet the most stringent OEM specification in the industry. All this coupled with high strength and lightness in weight makes Conolite® 5100T the cargo liner for today's commercial airlines.

## Specification

Conolite® Cargo Liners meet or exceed the following material specifications:

|         |                             |
|---------|-----------------------------|
| Boeing  | BMS 8-223, Class 2, Grade B |
| Douglas | DMS 2419, Class 1           |

## Technical Data (nominal values)

| Property         |                       | Product Description  |               |               |               |               |
|------------------|-----------------------|--|---------------|---------------|---------------|---------------|
|                  |                       | 5100T.013  | 5100T.020     | 5100T.030     | 5100T.040     | 5100T.050     |
| Thickness        | (in.)                 | 0.013 ± 0.003  | 0.020 ± 0.003 | 0.030 ± 0.003 | 0.040 ± 0.004 | 0.050 ± 0.005 |
| Max Weight       | (lb/ft <sup>2</sup> ) | 0.13   | 0.2           | 0.3           | 0.42          | 0.52          |
| Drum Peel        |                       |  |               |               |               |               |
| Warp             | (in-lb/3 in)          | 23.5   | 34.7          | 35.2          | 32.5          | 37.3          |
| Fill             | (in-lb/3 in)          | 25.8   | 33.4          | 33.7          | 32.3          | 34.6          |
| Edge Bearing     |                       |  |               |               |               |               |
| Warp             | (psi)                 | 37,100   | 40,700        | 42,000        | 43,300        | 43,700        |
| Fill             | (psi)                 | 39,600   | 40,500        | 40,500        | 42,000        | 42,200        |
| Impact Strength  | (ft lbs)              | 9  | 14            | 16            | 23            | 26            |
| (falling dart)   |                       |  |               |               |               |               |
| Water Absorption |                       | 3.00%  | 2.50%         | 2.10%         | 2.10%         | 2.10%         |
| Flammability     |                       | Meets requirements of FAR 25, Appendix F, Part III. FAA 8110-3 available for all liners. |               |               |               |               |

## Limited Warranty

Subject to the limitations set forth below, Panolam® Industries International Inc. (Panolam) expressly warrants that our products are reasonably free of defects in material and workmanship, and when properly handled and fabricated will conform, within accepted tolerances, to applicable manufacturing specifications as set forth in our technical brochure. This warranty shall extend to the original buyer for a period of twelve (12) months from the date of shipment of this product by Panolam, and shall not be assignable by the original buyer. This warranty does not cover damage resulting from accident, misuse, alteration, abuse or lack of reasonable care.

Due to the variety of uses and applications to which this product may be put, and because the manufacturer has no control over the end products fabricated, the warranty set forth above is exclusive and in lieu of all warranties, expressed or implied, in fact or by operation of law or otherwise, or arising by course of dealing or performance, custom or usage in the trade, including, without limitation, the implied warranties of fitness for a particular purpose and merchantability, and Panolam shall have no obligation or liability to any person or entity in connection with or arising from the furnishing, sale, installation or repair, use or subsequent sale of any product supplied by it.

Our maximum liability arising out of the sale of the products or their use, whether based upon warranty, contract, tort or otherwise, shall not exceed the actual payments received by us in connection therewith. In no event shall we be liable for special, incidental or consequential damages, including, but not limited to, arising hereunder or from the loss of profits, or loss of use damages, sales of the products.

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