

Product Identification

Grade: **Conolite® A Series**

Conolite® A Series laminates are flame retardant, fiberglass-reinforced polyester sheets. Their high strength is coupled with excellent abrasion resistance and lightness of weight. A Series laminates are manufactured in compliance with FAA requirements for plastic laminates used in baggage compartment linings, bulkhead facings, and blowout panels.

Specification

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

Boeing	BMS 8-2, Class 1, Grade A
Airbus	DAN 142
Douglas	DMS 1722F
Lockhead	LAC 22.939A

Technical Data (nominal values)

Property		Product Description					
		A13RG2W	A23SG4W	A35SG4W	A45SG4W	A60SG4W	A90RG1W
Thickness	(in.)	0.013 + 0.002 / - 0.004	0.023 + 0.002 / - 0.005	0.035 + 0.002 / - 0.005	0.045 + 0.004 / - 0.005	0.059 + 0.004 / - 0.007	.090 ± 0.009
Weight	(lb/ft ²)	0.11	0.21	0.32	0.42	0.55	0.86
Tensile Strength	(ksi)						
minimum average each direction		35	35	35	35	35	35
Flexural Strength	(ksi)						
minimum average each direction		NA	NA	NA	30	30	30
Flexural Modulus	(msi)						
minimum average each direction					30	30	30
Warp	(psi)	NA	NA	NA	1.5x10 ⁶	1.5x10 ⁶	1.5x10 ⁶
Fill	(psi)				1.0x10 ⁶	1.0x10 ⁶	1.0x10 ⁶
Edge Tear Strength	(lbs)	45	95	205	205	280	310
Impact Strength	(ft lbs)	2	4	6	8	10	14
(falling dart)							
Water Absorption		0.9%	0.82%	0.78%	0.67%	0.54%	0.6%
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.

Headquarters

Panolam® Industries International, Inc.

20 Progress Drive

Shelton, CT 06484

1-877-726-6526

conolite_sales@panolam.com

www.panolam.com



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