

Product Identification

Conolite® EG1000 Type 35 & 50

Conolite® EG1000 is a flame retardant fiberglass-reinforced polyester laminate. Its high strength is coupled with excellent abrasion resistance and lightness of weight. EG1000 supports an enhanced visual/abrasion resistant finish. It is manufactured in compliance with FAA requirements for plastic laminates used in cargo compartments in commercial aircraft.

Availability

This material is available in standard 48 inch and 60 inch widths. It can also be provided in custom widths meeting a particular application or requirement.

Type 35 - This material is available in sheet and roll form.

Type 50 - This material is available in sheet form.

Specification

Conolite® EG1000 Cargo Liner meet or exceed the following material specifications:

Boeing BMS 8-2, Class 4, Grade A, Type 50

Technical Data (nominal values)

Property		Product Description	
		Type 35	Type 50
Thickness	(in.)	0.035 ± 0.004	0.050 ± 0.004
Weight	(lb/ft ²)	0.30	0.50
Impact Strength	(ft-lbs)	23	30
minimum			
Tensile Strength	(ksi)	50	50
minimum average each direction			
Flexural Strength	(ksi)	NR*	31
minimum average each direction			
Flexural Modulus	(msi)	NR*	1.7
minimum average each direction			
Edge Bearing Strength	(ksi)	33	33
minimum average direction			
Surface Wear Resistance		7000	7000
Cycles			
Water Absorption		2.0%	2.0%
Flammability	Meets requirements of FAR 25, Appendix F, Part III. FAA 8110-3 available for all liners.		

*NR - no requirement. Flexural properties not applicable at this thickness.