



# ALPHA

high performance fabrics & composites

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ALPHA - ALAFLEX (SCRIM BASE)  
STYLE 59-M WHITE

DESCRIPTION

Alpha Style 59-M White is a lamination of 100% fiberglass scrim and polyester film. It is laminated using a white, high temperature-resistant, fire-retardant adhesive.

ADVANTAGES

- Resistant to oil and water
- Tough - resists damage and has excellent puncture resistance
- High tear strength
- White color eliminates need for painting
- Surface is paintable

APPLICATIONS

Sound absorption membrane  
Facing for Navy hullboard

PROPERTY DATA  
STYLE 59-M WHITE

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	3.0 oz/sy ± 10%	102 g/m <sup>2</sup> ± 10%
THICKNESS	ASTM-D-1777	.008" nominal	0.203 mm nominal
TENSILE STRENGTH	ASTM-D-5035	Warp- 50 lbs/inch	8.93 kg/cm
		Fill- 50 lbs/inch	8.93 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp- 7 lbs	3.18 kg
		Fill- 7 lbs	3.18 kg
BEACH PUNCTURE	ASTM-C-1136	400 units (106 inch-lbs)	12.0 joules
FLAME RESISTANCE	ASTM D-6413	Char Length 5 1/2 inch max.	13.97 cm max.
		Afterglow 1 sec. max.	1 sec. max.
		Flame Out 1 sec. max.	1 sec. max.
PERMEABILITY (MVTR)	ASTM-E-96	Result - 0.5 Perms	
FLAME RESISTANCE	ASTME-84	FLAME SPREAD 5 SMOKE DEVELOPED 10	

Complies to U.S. Coast Guard #46 - CFR 164.012 Interior Finish  
U.S. Coast Guard Certificate of Approval 164.012/73/0

\* Contact Alpha Associates' Technical Department for paint types.

DATA SHEET: 13355 REV: F DATE: 01/08/15 \*All values are nominal unless otherwise specified.

**Specializing in marine, aerospace, automotive and commercial fabrics for thermal and industrial applications**

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