



ALPHA

engineered composites

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ALPHA - MARITEX
 STYLE 3243 - MA

DESCRIPTION

Alpha style 3243-MA is a lamination of Alpha's Style 4348-AMAU and Navy hullboard fabric. The 4348-AMAU is a triple layer of lamination of aluminum foil, fiberglass scrim and a special metallized polyester film. The navy hullboard meets MIL-C-20079 Type I Class 2.

APPLICATIONS

Alpha Style 3243-MA is designed as a facing material for mineral fiber and polyimide foam hull and pipe insulation in below ambient applications.

ADVANTAGES

This extremely tough jacketing and facing material provides abuse resistance and vapor retardation for applications where the insulation is exposed to physical and mechanical damage.

PROPERTY DATA
 STYLE 3243 - MA

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	16.8 oz/sy ± 10%	571.2 g/m ² ± 10%
THICKNESS	ASTM-D-1777	0.02" ± 10%	0.508 mm ± 10%
TENSILE STRENGTH	ASTM-D-5035	Warp- 240 lbs./inch Fill- 180 lbs/nch	42.86 kg/cm 32.15 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp- 40 lbs. Fill- 29 lbs.	18.14 kg 13.15 kg
BEACH PUNCTURE	ASTM-C-1136	1300 units (344.5 inch-lbs)	39 joules
FLAME RESISTANCE	ASTM-D-6413	Char Length 0.25 " max. Afterglow 1 sec. max. Flame Out 1 sec. max.	0.635 cm max. 1 sec. max. 1 sec. max.
PERMEABILITY (MVTR)	ASTM-E-96	Result = 0.02 Permss	
CORROSION RESISTANCE	ASTM C-1258	120 °F 95% RH 28 days Result = No Corrosion	49 °C
TEMPERATURE RESISTANCE		-40 °F to +200 °F	-40 °C to 93 °C

DATA SHEET: 13184 REV: E 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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