

# ALPHA ASSOCIATES, INC.

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ALPHA - MARITEX  
STYLE 84215/9480-AMA-1S



## DESCRIPTION

Alpha Style 84215/9480-AMA-1S is a lamination of fiberglass fabric to aluminum foil, using a high temperature adhesive, with a silicone wash coat to protect the exposed surface and prevent fabric fraying on the laminated edges. This composite is designed to withstand temperatures of 450 °F with short exposure limits to 500 °F.

## APPLICATIONS

Automotive applications including insulation facings and radiant heat shields.

## ADVANTAGES

High temperature resistance, reflects radiant heat, good corrosion resistance.

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## *PROPERTY DATA*

### *STYLE 84215/9480-AMA-1S*

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<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	13.7 oz/sy $\pm$ 2.5	465 g/m <sup>2</sup> $\pm$ 85
THICKNESS	ASTM-D-1777	0.018" $\pm$ 0.003"	0.457 mm $\pm$ .076 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 200 lbs/inch Fill- 125 lbs/inch	35.72 kg/cm 22.33 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp- 25 lbs Fill- 25 lbs	11.34 kg 11.34 kg
MULLEN BURST	ASTM-D-3786	200 psi	14 kg/cm <sup>2</sup>
FLAME RESISTANCE	ASTM-D-4723 ID#36*	Char Length 1 inch max. Afterglow 12 sec. max. Flameout 5 sec. max.	2.54 cm max. 12 sec. max. 5 sec. max.
TEMPERATURE RESISTANCE	FED SPEC HHB-100B	-40 °F to +450 °F	-40 °C to 232 °C
BASE FABRIC AND WEAVE		Fiberglass/Plain Weave	
COLOR AND COATING		Aluminum Foil	
BOND STRENGTH	ASTM-D-1876	30 MIN. IMMERSION (BRAKE FLUID) Result = No Delamination	

\* Reference Method FED STD 191/5903.1

DATA SHEET 13089

REV A

DATE: 2/6/07

\* All values are nominal unless otherwise specified.

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

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