

ALPHA ASSOCIATES, INC.

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ALPHA - MARITEX
STYLE 2025/9480-AMA-1S



DESCRIPTION

Alpha Style 2025/9480-AMA-1S is a lamination of fiberglass fabric and aluminum foil 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.

PROPERTY DATA

STYLE 2025/9480-AMA-1S

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	21.5 oz/sy ± 2.2	731 g/m ² ± 74.8
THICKNESS	ASTM-D-1777	0.030" ± 0.003"	0.762 mm ± .076 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 250 lbs/inch	44.72 kg/cm
		Fill- 200 lbs/inch	35.72 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp- 50 lbs	22.68 kg
		Fill- 50 lbs	22.68 kg
MULLEN BURST	ASTM-D-3786	550 psi	38.5 kg/cm ²
FLAME RESISTANCE	ASTM-D-4723 ID # 36*	Char Length 1 inch max.	2.54 cm max.
		Afterglow 12 sec. max.	12 sec. max.
		Flameout 5 sec. max.	5 sec. max.
BOND STRENGTH	ASTM-D-1876	30 minute immersion (brake fluid) Result = 0.6 lbs./ inch minimum	0.107 kg/cm
TEMPERATURE RESISTANCE	FED SPEC HHB-100B	-40 °F to +450 °F.	-40 °C to 232 °C
COLOR AND COATING		Aluminum Foil	
BASE FABRIC AND WEAVE		Fiberglass/Plain Weave	

* Reference Method FED STD 191/5903.1

DATA SHEET 13043

REV D

DATE: 3/8/07

* All values are nominal unless otherwise specified.

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

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