



# ALPHA

engineered composites

145 Lehigh Avenue, Lakewood, NJ 08701  
**T:** 732.634.5700 **F:** 732.634.1430 alphainc.com

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 fabric 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 <sup>2</sup> ± 74.8
THICKNESS	ASTM-D-1777	0.030" ± 0.003"	0.762 mm ± .076 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 250 lbs/inch Fill- 200 lbs/inch	44.72 kg/cm 35.72 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp- 50 lbs Fill- 50 lbs	22.68 kg 22.68 kg
MULLEN BURST	ASTM-D-3786	550 psi	38.5 kg/cm <sup>2</sup>
FLAME RESISTANCE	ASTM D-6413	Char Length 1 inch max. Afterglow 12 sec. max. Flameout 5 sec. max.	2.54 cm max. 12 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		-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: E DATE: 03/06/12 \*All values are nominal unless otherwise specified.

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

All statements herein are expressions of opinion that we believe to be accurate and reliable, but are presented without guaranty or responsibility on our part. Statements concerning possible use of our products are not intended as recommendations for their use alone or in combination with any materials or elements to infringe any patents. No patent warranty of any kind, express or implied, is made or intended.