



ALPHA

engineered composites

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ALPHA - MARITEX
 STYLE 7628/9480 AMA 1S

DESCRIPTION

Alpha Style 7628/9480 is a laminate of lightweight fibergl-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.

PROPERTY DATA
 STYLE 7628/9480 AMA 1S

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	9.5 oz/sy ± 10%	323 g/m ² ± 10%
THICKNESS	ASTM-D-1777	0.009" ± .001"	0.228 mm ± .025 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 225 lbs./inch Fill- 150 lbs/inch	40.19 kg/cm 26.79 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp- 15.0 lbs Fill- 17.5 lbs.	6.80 kg 7.94 kg
MULLEN BURST	ASTM-D-3786	470 psi	32.9 kg/cm ²
FLAME RESISTANCE	ASTM D-6413	Char Length 1/2 inch maximum Afterglow 1 second maximum Flame Out 1 second maximum	1.27 cm max. 1 second maximum 1 second maximum
TEMPERATURE RESISTANCE		-40°F to 450°F max .	-40°C to 232°C max.
BASE FABRIC and WEAVE		Fiberglass/Plain Weave	
COLOR and COATING		Aluminum Foil	

DATA SHEET: 14017 REV: B DATE: 09/14/2014 *All values are nominal unless otherwise specified.

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

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