



ALPHA

engineered composites

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ALPHA - MARITEX
 STYLE 7642/9480 AMA 1S

DESCRIPTION

Alpha Style 7642/9480 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.

PROPERTY DATA
 STYLE 7642/9480 AMA 1S

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	10.0 oz/sy ± 10%	340 g/m ² ± 10%
THICKNESS	ASTM-D-1777	0.0011" ± .001"	0.279 mm ± .025 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 250 lbs./inch Fill- 150 lbs/inch	44.66 kg/cm 26.79 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp- 20 lbs. Fill- 20 lbs.	9.07 kg 9.07 kg
MULLEN BURST	ASTM-D-3786	200 psi	14.0 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: 14015 REV: C DATE: 1/30/15 *All values are nominal unless otherwise specified.

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

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