

ALPHA ASSOCIATES, INC.

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ALPHA - ALAFLEX
STYLE 4348 AMAU



DESCRIPTION

Alpha AlaFlex Style 4348 AMAU is a triple ply laminate made of aluminum foil, fiberglass scrim, and heat sealable metallized polyester film.

1. Foil - .00065" Aluminum
2. Adhesive - Fire Retardant, Thermo-Setting
3. Scrim - 4 x 3 fiberglass
4. Film - .0005" aluminized polyester

ADVANTAGES

Heat sealable film makes laminating adhesives unnecessary. Foil / Film combination provides an excellent vapor retarder.

APPLICATIONS

Flex Duct Jacketing, Vapor Retardant Facing, Pipe Jacketing.

PROPERTY DATA *STYLE 4348 AMAU*

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	2.4 oz/sy \pm 10%	81.6 g/m ² \pm 10%
THICKNESS	ASTM-D-1777	0.006" \pm 10%	0.152 mm \pm 10%
TENSILE STRENGTH	ASTM-D-5035	Warp- 30 lbs/inch Fill- 25 lbs/inch	5.36 kg/cm 4.47 kg/cm
TEAR STRENGTH	ASTM-D-1424	Warp- 24.69 oz. Fill- 17.64 oz.	700 gms. 500 gms.
BEACH PUNCTURE	ASTM-D-781	200 units (53 in/lbs)	61 cm/kg
FLAME RESISTANCE	FED 191/5903.2	Char Length 2 inch max. Afterglow 2 sec max. Flame Out 2 sec. max.	5.08 cm max. 2 sec max. 2 sec. max.
HEAT SEAL		above 200 °F	above 93.3 °C
PERMEABILITY (MVTR)	ASTM-E-96	.02 Perms	
CORROSION RESISTANCE	FED SPEC HHB 100B	120 °F @95% RH 20 days Result - No Corrosion	49 °C
TEMPERATURE RESISTANCE	FED SPEC HHB-100B	-40 °F to +200 °F	-40 °C to 93 °C

DATA SHEET 13065

REV B

DATE: 10/1/98

* All values are nominal unless otherwise specified.

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

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