

# ALPHA ASSOCIATES, INC.

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ALPHA - ALAFLEX (FILM BASE)  
STYLE 13 AM



## DESCRIPTION

Alpha Alaflex Style 13 AM is a two ply laminate made with an incombustible thermo-setting adhesive bonding polyester film to an aluminum foil backing.

1. Adhesive - Incombustible, thermo-setting.
2. Film - 1/2 mil. polyester.
3. Foil - Aluminum - 3/10 mil.

## ADVANTAGES

Low cost.  
Excellent vapor barrier.

## APPLICATIONS

Flex Duct liner.  
Refrigeration liners.

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## PROPERTY DATA STYLE 13 AM

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<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	1.30 oz/sy $\pm$ 10%	44 g/m <sup>2</sup> $\pm$ 10%
THICKNESS	ASTM-D-1777	0.0012" $\pm$ 0.0005"	0.030 mm $\pm$ .013 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 10 lbs./inch Fill- 10 lbs/inch	1.786 kg/cm 1.786 kg/cm
TEAR STRENGTH	ASTM-D-1424	Warp- 0.705 oz. Fill- 0.705 oz.	20 gms. 20 gms.
BURST STRENGTH	ASTM-D-3786	30 psi	2.1 kg/cm <sup>2</sup>
FLAME RESISTANCE	FED STD 191/5903.2	Char Length 2 inches max. Afterglow 1 second max. Flame Out 1 second max.	5.08 cm max. 1 second max. 1 second max.
TEMPERATURE RESISTANCE	FED SPEC HHB-100B	Cold: -20 °F Hot: +300 °F	-29 °C to 149 °C
PERMEABILITY (MVTR)	ASTM-E-96	Result = .05 Perms	
CORROSION RESISTANCE	FED SPEC HHB 100B	120 °F @95% RH 20 days Result = No Corrosion	49 °C

DATA SHEET 12424

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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