



ALPHA

engineered composites

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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.

PROPERTY DATA

STYLE 13 AM

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	1.30 oz/sy ± 10%	44 g/m ² ± 10%
THICKNESS	ASTM-D-1777	0.0012" ± 0.0005"	0.030 mm ± .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 ²
FLAME RESISTANCE	ASTM-D-6413	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		Cold: -20 °F Hot: +300 °F	-29 °C to 149 °C
PERMEABILITY (MVTR)	ASTM-E-96	Result = .05 Perms	
CORROSION RESISTANCE	ASTM-C-1136	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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