



# ALPHA

engineered composites

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ALPHA - ALAFLEX (SCRIM BASE)  
 STYLE 2213 EAM

DESCRIPTION

Alpha Alaflex Style 2213 EAM is a four ply laminate made with a fiberglass scrim adhered with a flame retardant adhesive to an aluminum foil face and heat-sealable film backing both sides.

- 1) Films - Endalon; 0.8 mil, Polyester; 0.6 mil.
- 2) Base Fabric - Fiberglass 2 x 2 scrim
- 3) Adhesive - Flame retardant ; Thermo setting
- 4) Foil - Aluminum

ADVANTAGES

Heat - sealable, Excellent vapor barrier, Solvent – sealable

APPLICATIONS

Flex Duct liner, Insulation Board Facing

PROPERTY DATA  
 STYLE 2213 EAM

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	2.7 oz/sy ± 10%	92 g/m <sup>2</sup> ± 10%
THICKNESS	ASTM-D-1777	0.006" ± 0.001"	0.152 mm ± .025 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 25 lbs/inch Fill- 25 lbs/inch	4.47 kg/cm 4.47 kg/cm
TEAR STRENGTH	ASTM-D-1424	Warp- 15.87 oz. Fill- 15.87 oz.	450 gms. 450 gms.
BEACH PUNCTURE	ASTM-D-781	80 units (21.2 in/lbs)	24.4 cm/kg
FLAME RESISTANCE	ASTM-D-6413	Char Length 4.5 inches max. Afterglow 0.5 sec. max. Flameout 0 sec.	11.43 cm max. 0.5 sec. max. 0 sec.
HEAT - SEALABLE		Tear Bond	
PERMEABILITY (MVTR)	ASTM-E-96	Result = .05 perms	
CORROSION RESISTANCE	ASTM-C-1136	120 °F 95% RH 20 days Result = No Corrosion	49°C
TEMPERATURE RESISTANCE		Cold - 0 °F Hot - +265 °F	-18 °C to 129 °C

DATA SHEET: 12708 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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