

# ALPHA ASSOCIATES, INC.

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ALPHA ALAFLEX  
STYLE 4413 VSA



## DESCRIPTION

Alpha Alaflex Style 4413-VSA is a triple ply laminate of aluminum foil, 4x4 fiberglass scrim and a heat activated thermoplastic film.

## APPLICATIONS

This composite is designed as a heat-sealable facing for fiberglass and mineral wool insulation board that offers excellent conformal characteristics in hot press molding applications. 4413-VSA can also be used as a heat sealable splicing tape to metal foil where high strength is desirable.

## ADVANTAGES

The heat seal copolymer film has excellent adhesion to metal foils as well as outstanding water and oil resistance.

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## *PROPERTY DATA* *STYLE 4413 VSA*

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<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	2.3 oz/sy $\pm$ 10%	78.2 g/m <sup>2</sup> $\pm$ 10%
THICKNESS	ASTM-D-1777	0.007" $\pm$ .001"	0.178 mm $\pm$ .025 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 18 lbs/in. Fill- 15 lbs/in.	3.21 kg/cm 2.68 kg/cm
TEAR STRENGTH	ASTM-D-1424	Warp- 35.27 oz. Fill- 31.75 oz.	1000 gms. 900 gms.
BEACH PUNCTURE	ASTM-D-781	50 units (13.25 in/lbs)	15.25 cm/kg
TEMPERATURE RESISTANCE	FED SPEC HHB-100B	-40 °F to 160 °F	-40 °C to 71 °C
HEAT SEALABILITY	@300 °F scrim to scrim	2 lbs/inch	149 °C, 0.357 kg/cm,

DATA SHEET 13255

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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