

ALPHA ASSOCIATES, INC.

145 LEHIGH AVE CN2013 LAKEWOOD, N.J. 08701
Phone: (732) 634-5700 Fax: (732) 634-1430

ALPHA ALAFLEX
STYLE 5513 VSA



DESCRIPTION

Alpha Alaflex Style 5513-VSA is a triple ply laminate of aluminum foil, 5x5 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. 5513-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.

PROPERTY DATA *STYLE 5513 VSA*

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776-96	2.5 oz/sy \pm 10%	85.0 g/m ² \pm 10%
THICKNESS	ASTM-D-1777-96	0.007" \pm .001"	0.178 mm \pm .025 mm
TENSILE STRENGTH	ASTM-D-5035-95	Warp- 25 lbs/in. Fill- 20 lbs/in.	4.46 kg/cm 3.57 kg/cm
TEAR STRENGTH	ASTM-D-1424-96	Warp- 35.27 oz. Fill- 31.75 oz.	1000 gms. 900 gms.
BEACH PUNCTURE	ASTM-D-781-68	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 13921

REV A

DATE: 1/16/07

* All values are nominal unless otherwise specified.

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

All statements herein are expressions of opinion that we believe to be accurate and reliable, but are presented without guaranty or responsibility on our part. Statements concerning possible use of our products are not intended as recommendations for their use alone or in combination with any materials or elements to infringe any patents. No patent warranty of any kind, express or implied, is made or intended.