

# ALPHA ASSOCIATES, INC.

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ALPHA - WELD  
STYLE 84215 / VCF



## DESCRIPTION

Alpha Style 84215/VCF is a lightweight, plain weave fiberglass fabric coated with a vermiculite compound that imparts excellent resistance to high temperatures.

## APPLICATIONS

Alpha Style 84215/VCF can be used as a flame or heat barrier material on many applications where high cost silica or ceramic fabrics have been used previously, such as the hot side of insulation blankets, radiant heat shields or any application where a thermal barrier is required.

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## PROPERTY DATA STYLE 84215 / VCF

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<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	9.6 oz/sy $\pm$ 10%	326.4 g/m <sup>2</sup> $\pm$ 10%
THICKNESS	ASTM-D-1777	0.020" nominal	0.508 mm nominal
TENSILE STRENGTH	ASTM-D-5035	Warp- 100 lbs./inch Fill- 75 lbs/inch	17.86 kg/cm 13.40 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp- 35 lbs. Fill- 20 lbs.	15.88 kg 9.07 kg
FLAME RESISTANCE	FED 191/5903.2	Char Length 1/8 inch max. Afterglow 1 second max. Flame Out 0 seconds max.	0.318 cm max. 1 second max. 0 seconds max.
TEMPERATURE RESISTANCE	FED SPEC HHB-100B	1200 °F Continuous 1500 °F Intermittent	649 °C cont., 816 °C inter.
BASE FABRIC and WEAVE		Fiberglass/Plain Weave	
COLOR and COATING		Golden Brown Vermiculite	

\*Material may suffer some degradation of physical properties after extended periods at elevated temperature.

DATA SHEET 13081

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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