



# ALPHA

engineered composites

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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 such as the hot side of insulation blankets, radiant heat shields or any application where a thermal barrier is required.

PROPERTY DATA  
 STYLE 84215 / VCF

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	9.6 oz/sy ± 10%	326.4 g/m <sup>2</sup> ± 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	ASTM D-6413	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		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: C DATE: 03/06/12 \*All values are nominal unless otherwise specified.

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

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