

ALPHA ASSOCIATES, INC.

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ALPHA - WELD
STYLE 2025/VCF



DESCRIPTION

Alpha Style 2025/VCF is a medium weight, plain weave fiberglass fabric coated with a vermiculite compound that imparts excellent resistance to high temperatures.

APPLICATIONS

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 and any other application where a thermal barrier is required.

PROPERTY DATA

STYLE 2025/VCF

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	17.5 oz/sy \pm 10%	595 g/m ² \pm 10%
THICKNESS	ASTM-D-1777	0.030" nominal	0.762 mm nominal
TENSILE STRENGTH	ASTM-D-5035	Warp- 250 lbs./inch Fill- 200 lbs/inch	44.72 kg/cm 35.72 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp- 50 lbs. Fill- 25 lbs.	22.68 kg 11.34 kg
FLAMMABILITY	FED 191/5903.2	Char Length 1/8 inch max. Afterglow 1 second max. Flameout 0 seconds max.	0.318 cm max. 1 second max. 0 seconds max.
TEMPERATURE RESISTANCE	FED SPEC HHB-100B	1500 °F (Continuous)	816 °C (Continuous)
BASE FABRIC AND WEAVE		Fiberglass/Plain Weave	
COLOR AND COATING		Golden Brown Vermiculite	

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

DATA SHEET 13080

REV D

DATE: 4/30/10

* All values are nominal unless otherwise specified.

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

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