



ALPHA

high performance fabrics & composites

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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 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 ± 10%	595 g/m ² ± 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
FLAME RESISTANCE	ASTM D-6413	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		1500 °F (Intermittent)	816 °C (Intermittent)
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: E 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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