



ALPHA

engineered composites

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ALPHA - WELD STYLE 2025/VCF				
<u>DESCRIPTION</u> Alpha Style 2025/VCF is a medium weight, plain weave fiberglass fabric coated with a vermiculite compound that imparts excellent resistance to high temperatures.				
<u>APPLICATIONS</u> 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				
CHARACTERISTIC	METHOD	VALUES*		
		ENGLISH		METRIC
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	44.72 kg/cm
		Fill-	200 lbs/inch	35.72 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp-	50 lbs.	22.68 kg
		Fill-	25 lbs.	11.34 kg
FLAME RESISTANCE	ASTM D-6413	Char Length	1/8 inch max.	0.318 cm max.
		Afterglow	1 second max.	1 second max.
		Flameout	0 seconds max.	0 seconds max.
TEMPERATURE RESISTANCE		1200 °F (Continuous)		649 °C (Intermittent)
		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: F DATE: 5/13/2016 *All values are nominal unless otherwise specified.

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

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