



# ALPHA

engineered composites

145 Lehigh Avenue, Lakewood, NJ 08701  
**T:** 732.634.5700 **F:** 732.634.1430 [alphainc.com](http://alphainc.com)

ALPHA - WELD  
 STYLE VCF-25R-BK

DESCRIPTION

Alpha - Weld Style VCF-25R-BK is a heavyweight, plain weave fiberglass fabric coated with a vermiculite compound that imparts excellent resistance to high temperatures. ANSI/FM 4950 approved for welding curtains.

APPLICATIONS

Can be used as a flame or heat barrier material on many applications such as the hot side of insulation blankets, radiation heat shields and any other application where a thermal barrier is required.

PROPERTY DATA  
 STYLE VCF-25R-BK

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	25.5 oz/sy ± 10%	865 g/m <sup>2</sup> ± 10%
THICKNESS	ASTM-D-1777	0.042" nominal	1.07 mm nominal
TENSILE STRENGTH	ASTM-D-5035	Warp- 400 lbs/inch Fill- 200 lbs/inch	71.44 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		1200 °F (Continuous) 1500 °F (Intermittent)	649 °C to 816 °C
BASE FABRIC and WEAVE		Fiberglass - Plain Weave	
COLOR and COATING		Black Vermiculite	

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

DATA SHEET: 13114 FM REV: H DATE: 9/27/2023 \*All values are nominal unless otherwise specified.

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

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