

# ALPHA ASSOCIATES, INC.

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ALPHA - WELD  
STYLE VCF-35R-BK



## DESCRIPTION

Alpha - Weld Style VCF-35R-BK is a heavyweight, 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, radiation heat shields and any other application where a thermal barrier is required.

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## PROPERTY DATA STYLE VCF-35R-BK

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<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	35 oz/sy $\pm$ 10%	1195.5 g/m <sup>2</sup> $\pm$ 10%
THICKNESS	ASTM-D-1777	0.059" nominal	1.5 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
FLAMMABILITY	FED 191/5903.2	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	FED SPEC HHB-100B	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 13912

REV B

DATE: 5/9/08

\* All values are nominal unless otherwise specified.

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

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