



ALPHA

engineered composites

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ALPHA - WELD
 STYLE VCF-35R

DESCRIPTION

Alpha - Weld Style VCF-35R 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 blankets.

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-35R

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>		
		<u>ENGLISH</u>	<u>METRIC</u>	
WEIGHT	ASTM-D-3776	35 oz/sy ± 10%	1195.5 g/m ² ± 10%	
THICKNESS	ASTM-D-1777	0.059" nominal	1.5 mm nominal	
TENSILE STRENGTH	ASTM-D-5035	Warp-	400 lbs/inch	71.44 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 to 816 °C	
		1500 °F (Intermittent)		
BASE FABRIC and WEAVE		Fiberglass - Plain Weave		
COLOR and COATING		Vermiculite		

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

DATA SHEET: 13976 REV: C DATE: 4/21/2017 *All values are nominal unless otherwise specified.

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

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