



ALPHA

engineered composites

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ALPHA - WELD

STYLE 25

DESCRIPTION

Alpha Weld Style 25 is an extremely heavy weight fiberglass made with highly texturized yarn creating a very "bulky" fabric. ANSI/FM 4950 approved for welding curtains.

APPLICATIONS

Alpha Weld Style 25 can be used for welding blankets to protect surfaces that could be damaged by sparks and slag. The WS finish facilitates fabrication by reducing raveling and fraying of cut edges. The VCF finish provides a combination of high heat resistance and weave stability for use in fabrication items, such as mitts, gloves, aprons, removable blankets, expansion joints and strip curtains. Available in 40" (101.6 cm) and 60" (152.4 cm) widths.

ADVANTAGES

Alpha Weld Style 25 is available in three different finishes - GR (Greige or Loomstate); WS (Weave Set Finish) or VCF (Vermiculite Coating for high temperature protection).

PROPERTY DATA

STYLE 25

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	25 oz/sy \pm 10%	850 g/m ² \pm 10%
THICKNESS	ASTM-D-1777	0.065" \pm 10%	1.661 mm \pm 10%
TENSILE STRENGTH	ASTM-D-5035	Warp- 300 lbs/inch Fill- 280 lbs/inch	53.58 kg/cm 50.09 kg/cm
ENDS/INCH	ASTM D-3775	Warp - 10, Fill - 6	
TEMPERATURE RESISTANCE		GR and WS - 1000 F VCF - 1200 °F Continuous 1500 °F Intermittent	538°C :649 °C : 816 °C
BASE FABRIC and WEAVE		Fiberglass/Plain Weave	
COLOR and COATING		GR, WS - White, VCF-Tan	

*Material may suffer some degradation of physical properties after extended periods at elevated temperature.
Finishes: GR - Greige or Loomstate, WS - Weave Set, VCF - Vermiculite Coated

DATA SHEET: 13097 FM REV: F 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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