



ALPHA

engineered composites

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ALPHA - WELD STYLE 35

DESCRIPTION

Alpha Weld Style 35 is an extremely heavy weight fiberglass made with highly texturized yarn creating a very "bulky" fabric. It is available in three different finishes - GR (Greige or Loomstate), WS (Weave Set Finish) or VCF (Vermiculite Coating for high temperature protection.)

APPLICATIONS

Alpha Weld Style 35 is intended for uses where a heavy weight, thick (insulative) fabric is required with high heat resistance. The WS finish facilitates fabrication by reducing raveling and fraying of cut edges. The VCF (Vermiculite Coating) 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.

PROPERTY DATA STYLE 35

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	35 oz/sy ± 10%	1190 g/m ² nominal
THICKNESS	ASTM-D-1777	0.080" ± 10%	1.524 mm ± 10%
TENSILE STRENGTH	ASTM-D-5035	Warp- 470 lbs./inch Fill- 250 lbs. / inch	83.94 kg/cm 44.65 kg/cm
ENDS/INCH	ASTM D-3775	Warp - 10, Fill - 8	
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: 13098 REV: C DATE: 09/15/14 *All values are nominal unless otherwise specified.

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

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