



# ALPHA

## engineered composites

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### ALPHA - WELD STYLE 6445-2-BRN

#### DESCRIPTION

Alpha-Weld Style 6445-2-BRN is an economy grade acrylic coated fiberglass welding curtain material. The incombustible fiberglass fabric is coated with a fire retardant red colored acrylic. ANSI/FM 4950 approved for welding curtains.

#### APPLICATIONS

Alpha-Weld Style 6445-2-BRN can be used for vertical welding curtains for spark and spray containment, grinding shields, arc flash barriers and fire retardant weather barrier material.

#### ADVANTAGES

The fire retardant red colored coating provides high visibility for safety and resistance to sparks, abrasion, water and most chemicals.

### PROPERTY DATA STYLE 6445-2-BRN

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>		
		<u>ENGLISH</u>	<u>METRIC</u>	
WEIGHT	ASTM-D-3776	13 oz/sy ± 10%	442 g/m <sup>2</sup> ± 10%	
THICKNESS	ASTM-D-1777	0.0155" ± .001"	0.393 mm ± .025 mm	
TENSILE STRENGTH	ASTM-D-5034	Warp-	300 lbs/in	53.58 kg/cm
		Fill-	270 lbs/inch	48.22 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp-	35 lbs	15.88 kg
		Fill-	30 lbs	13.61 kg
BURST STRENGTH	ASTM-D-3786	475 psi	33.25 kg/cm <sup>2</sup>	
FLAME RESISTANCE	FED 191/5903.2	Char Length	1 inch max.	2.54 cm max.
		Afterglow	1 sec. max.	1 sec. max.
		Flame Out	0 sec. max.	0 sec. max.
TEMPERATURE RESISTANCE FOR BASE FABRIC		0 °F to 1000 °F	-18 °C to 538 °C	
TEMPERATURE RESISTANCE FOR NEOPRENE COATING		0 °F to 300 °F	-18 °C to 149 °C	
BASE FABRIC and WEAVE		Fiberglass/Plain Weave		
COLOR and COATING		Red Acrylic		

DATA SHEET: 13329 FM REV: J 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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