

# ALPHA ASSOCIATES, INC.

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ALPHA - MARITEX  
STYLE 2300-2-SS



## DESCRIPTION

Alpha Maritex Style 2300-2-SS is a fiberglass fabric coated with a specially formulated silicone rubber designed to meet the rigid requirements for use in nuclear reactors. This special high temperature, flame retardant silicone rubber provides greater life and improves resistance to abrasion flexing, tear and puncture. Alpha Maritex Style 2300-2-SS can be certified to meet the requirements of MIL-I-24244 and Nuclear Regulatory Guide 1.36.

## ADVANTAGES

Aluminum Color, Low Smoke, Water and Oil Resistant, Can be easily sewn, Flame Retardant, Lightweight, Chemical Resistant, Easy to Fabricate.

## APPLICATIONS

Removable Insulation Blankets, Expansion Joints, Welding Curtains, Equipment Covers, Flange Covers, Safety Clothing. This product is designed specifically for high temperature (600 °F) removable blankets, and flange and valve covers where a very soft and flexible fabric is desired or needed.

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## PROPERTY DATA STYLE 2300-2-SS

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<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	17 oz/sy $\pm$ 10%	578 g/m <sup>2</sup> $\pm$ 10%
THICKNESS	ASTM-D-1777	0.015" $\pm$ .001"	0.381 mm $\pm$ .025 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 300 lbs./inch Fill- 225 lbs/inch	53.58 kg/cm 40.19 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp- 50 lbs. Fill- 50 lbs.	22.68 kg 22.68 kg
BURST STRENGTH	ASTM-D-3786	600 psi	42 kg/cm <sup>2</sup>
FLAME RESISTANCE	FED 191/5903.2	Char Length 0.3 inches max. Afterglow 1 sec. max Flame Out 1 sec. max	0.762 cm max. 1 sec. max 1 sec. max
TEMPERATURE RESISTANCE	FED SPEC HHB 100B	Cold: -65 °F, Hot: 600 °F Inter.: 700 °F	-54 °C to 260 °C, Inter.: 371 °C
COLOR and COATING		Silver Silicone	
BASE FABRIC and WEAVE		Fiberglass/Plain Weave	

DATA SHEET 13845

REV A

DATE: 2/4/05

\* All values are nominal unless otherwise specified.

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

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