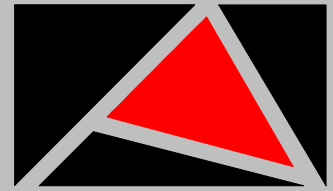


# ALPHA ASSOCIATES, INC.

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ALPHA - MARITEX  
STYLE 8459-2-SS



## DESCRIPTION

Alpha Maritex Style 8459-2-SS is a fiberglass fabric impregnated with a specially formulated silicone rubber designed to meet the rigid requirements for use in nuclear reactors. This product is designed specifically for high temperature (500 ° F) removable pads, flange and valve covers. This product can be manufactured to meet the requirements of NRC 1.36 as well as MIL-I-24244. This (Heavy Duty) silicone impregnated fiberglass fabric is used where more wear and tear is needed.

## ADVANTAGES

Aluminum color, Water and Oil resistant, Acid and Alkali resistant, Flame retardant, Low Smoke, Easily sewn, Adhesive bonded or sealed. The special high temperature, flame retardant silicone rubber provides greater life and improved resistance to abrasion, flexing, tear and puncture.

## APPLICATIONS

Removable Insulation Pad Covering, Flange and Valve covers, Welding Curtains and Splash Shields, Safety Clothing, Equipment Covers, Flexible Connectors (Expansion Joints).

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## PROPERTY DATA STYLE 8459-2-SS

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<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776-96	34.0 oz/sy $\pm$ 10%	1156 g/m <sup>2</sup> $\pm$ 10%
THICKNESS	ASTM-D-1777-96	0.037" $\pm$ 0.001"	0.940 mm $\pm$ .025 mm
TENSILE STRENGTH	ASTM-D-5034-95	Warp- 275 lbs/inch min. Fill- 250 lbs/inch min.	71.44 kg/cm 62.51 kg/cm
TEAR STRENGTH	ASTM-D-5587-96	Warp- 65 lbs min. Fill- 55 lbs min.	29.48 kg 24.95 kg
BURST STRENGTH	ASTM-D-3786-87	750 psi min.	52.5 kg/cm <sup>2</sup>
FLAME RESISTANCE	FED 191/5903.2	Char Length 1 inch max.	2.54 cm max.
		Afterglow 1 second max.	1 second max.
		Flame Out 1 second max.	1 second max.
TEMPERATURE RESISTANCE	FED SPEC HHB-100B	-67 °F to +500 °F	-55 °C to 260 °C
BASE FABRIC and WEAVE		Fiberglass/Satin Weave	
COLOR and COATING		Silver Silicone	

DATA SHEET 13431 REV D DATE: 01/09/04 \* All values are nominal unless otherwise specified.

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

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