



# ALPHA

engineered composites

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ALPHA - MARITEX  
 STYLE 3259-2-SR

DESCRIPTION

Alpha Maritex Style 3259-2-SR is a fiberglass fabric impregnated with a specially formulated silicone rubber 25% total by weight. It is designed to meet the rigid requirements for use in nuclear reactors. This special high temperature, flame retardant silicone rubber provides greater life and improved resistance to abrasion, flexing, tear and puncture. This product is designed specifically for high temperature ( 500 °F ) removable pads, flange and valve covers. This STANDARD DUTY product can be manufactured to meet the requirements of NRC Guide 1.36 and Military Specification MIL-I-24244. ANSI/FM 4950 approved for welding curtains.

ADVANTAGES

Red color, water and oil resistant, flame retardant, low smoke, easily sewn, light weight.

APPLICATIONS

Removable Insulation Pads, Flange Covers, Welding Curtains, Safety Clothing, Equipment Covers, Expansion Joints.

PROPERTY DATA  
 STYLE 3259-2-SR

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	17.5 oz/sy ± 10%	595 g/m <sup>2</sup> ± 10%
THICKNESS	ASTM-D-1777	0.015" ± 0.001"	0.381 mm ± .025 mm
TENSILE STRENGTH	ASTM-D-5034	Warp- 300 lbs/inch Fill- 225 lbs/inch	53.58 kg/cm 40.19 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp- 40 lbs. Fill- 30 lbs.	18.14 kg 13.61 kg
BURST STRENGTH	ASTM-D-3786	400 psi	28 kg/cm <sup>2</sup>
FLAME RESISTANCE	ASTM D-6413	Char Length 1/16 inch max. Afterglow 1 second max. Flame Out 1 second max.	0.159 cm max. 1 second max. 1 second max.
BASE FABRIC and WEAVE		Fiberglass/Satin Weave	
COLOR and COATING		Red Silicone	
TEMPERATURE RESISTANCE- Cold: -67 °F (-55 °C) Hot: Continuous 1000 hrs. @ +500 °F (260 °C) = no change Intermittent 100 hrs. @ +700 °F (371 °C) Weight loss=10%, Strength loss=50%			
Fiberglass Fabric Rating:1000deg.F			

DATA SHEET: 13615 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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