



ALPHA

engineered composites

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ALPHA - MARITEX

STYLE 3259-2-SS

DESCRIPTION

Alpha Maritex Style 3259-2-SS 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 material meets UL 214 and/or NFPA-701. 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.

ADVANTAGES

Aluminum color, UV resistant, 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-SS

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>TYPICAL VALUES</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	17.5 oz/sy ± 10%	595 g/m² ± 10%
THICKNESS	ASTM-D-1777	0.018" ± 0.001"	0.457 mm ± .025 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 325 lbs/inch min. Fill- 250 lbs/inch min.	58.04 kg/cm 44.64 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp- 60 lbs min. Fill- 60 lbs min.	27.15 kg 27.15 kg
BURST STRENGTH	ASTM-D-3786	600 psi min.	63 kg/cm²
FLAME RESISTANCE	ASTM D-6413	Char Length 1/16" inch max. Afterglow 1 second max. Flame Out 1 second max.	1.54 cm max. 1 second max. 1 second max.
UV RESISTANCE	ASTM-G-154	No chalking, checking, blistering, cracking, flaking, or change in breaking strength after 1000 hrs	
BASE FABRIC and WEAVE		Fiberglass/Satin Weave	
COLOR and COATING		Silver 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%			

DATA SHEET: 12449 REV: L DATE: 9/20/23 All values are typical unless otherwise specified.

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

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