



# ALPHA

engineered composites

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ALPHA – MARITEX  
 3201-2-SS

DESCRIPTION

Alpha Maritex Style 3201-2-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 3201-2-SS can be certified to meet the requirements of MIL-I-24244 and Nuclear Regulatory Guide 1.36.

ADVANTAGES

Aluminum Color, UV Resistant, 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 (500 °F) removable blankets, and flange and valve covers where a very soft and flexible fabric is desired or needed.

PROPERTY DATA  
 3201-2-SS

CHARACTERISTIC	METHOD	TYPICAL VALUES	
		ENGLISH	METRIC
WEIGHT	ASTM-D-3776	16.5 oz/sy ± 10%	559 g/m <sup>2</sup> ± 10%
THICKNESS	ASTM-D-1777	0.016" ± .001"	0.406 mm ± .025 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 300 lbs./inch Fill- 225 lbs/inch	53.58 kg/cm 40.19
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	ASTM D-6413	Char Length 0.3 inches max. Afterglow 2.5 sec. max Flame Out 1 sec. max	0.762 cm max. 2.5 sec. max 1 sec. max
TEMPERATURE RESISTANCE		Cold: -85 °F, Hot: 500 °F Inter.: 700 °F	-65 °C to 260 °C, Inter.: 371 °C
COLOR and COATING		Silver Silicone	
UV RESISTANCE	ASTM-G-154	1000 hrs; no change in tensile	
BASE FABRIC and WEAVE		Fiberglass/Satin Weave	
FLAME SPREAD INDEX	ASTM-E-84	0	
SMOKE DEVELOPED VALUE	ASTM-E-84	5	

DATA SHEET: 13157 REV: G DATE: 6/18/24

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

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