



# ALPHA

engineered composites

145 Lehigh Avenue, Lakewood, NJ 08701  
**T:** 732.634.5700 **F:** 732.634.1430 [alphainc.com](http://alphainc.com)

ALPHA - MARITEX  
 STYLE 3100-2-SS

DESCRIPTION

Alpha Maritex Style 3100-2-SS is a fiberglass fabric impregnated with silicone rubber. This high temperature, flame retardant silicone rubber provides improved resistance to abrasion, flexing, tear and puncture. This fabric also has very good resistance to ultra violet radiation. This product is designed specifically for high temperature (500 °F) removable insulation blankets for valves, flanges and fittings.

ADVANTAGES

Water and oil resistant, UV resistant, Flame retardant, Low smoke, Easily fabricated, Lightweight.

APPLICATIONS

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

\*This product was manufactured in the U.S.A. under Federal I.D.# 22-176 3475.

PROPERTY DATA  
 STYLE 3100-2-SS

<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	0.018" ± .001"	0.457 mm ± .025 mm	
TENSILE STRENGTH	ASTM-D-5034	Warp-	300 lbs./inch	53.58 kg/cm
		Fill-	250 lbs/inch	44.64 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp-	60 lbs.	27.15 kg
		Fill-	60 lbs.	27.15 kg
BURST STRENGTH	ASTM-D-3786	600 psi	42 kg/cm <sup>2</sup>	
FLAME RESISTANCE	ASTM-D-6413	Char Length	1/16 inch max.	0.159 cm max.
		Afterglow	1 second max.	1 second max.
		Flame Out	1 second max.	1 second max.
UV RESISTANCE	ASTM-G-154	1000 hrs; no change in tensile		
BASE FABRIC and WEAVE		Fiberglass/Satin Weave		
COLOR and COATING		Gray 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: 13190 REV: E DATE: 9/28/15 \*All values are nominal unless otherwise specified.

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

All statements herein are expressions of opinion that we believe to be accurate and reliable, but are presented without guaranty or responsibility on our part. Statements concerning possible use of our products are not intended as recommendations for their use alone or in combination with any materials or elements to infringe any patents. No patent warranty of any kind, express or implied, is made or intended.