



# ALPHA

high performance fabrics & composites

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ALPHA - MARITEX  
STYLE 3201-2-CTS

DESCRIPTION

Alpha Maritex Style 3201-2-CTS 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.

ADVANTAGES

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  
STYLE 3201-2-CTS

| <u>CHARACTERISTIC</u>  | <u>METHOD</u> | <u>VALUES*</u>  |   |
|------------------------|---------------|---|---|
|                        |               | <u>ENGLISH</u>  | <u>METRIC</u>                             |
| WEIGHT                 | ASTM-D-3776   | 17.5 oz/sy ± 10%  | 590 g/m <sup>2</sup> ± 10%                |
| THICKNESS              | ASTM-D-1777   | 0.015" ± .001"  | 0.381 mm ± .025 mm                        |
| TENSILE STRENGTH       | ASTM-D-5035   | Warp- 300 lbs./inch<br>Fill- 225 lbs/inch                                   | 53.58 kg/cm<br>40.19 kg/cm                |
| TEAR STRENGTH          | ASTM-D-5587   | Warp- 50 lbs.<br>Fill- 50 lbs.  | 22.68 kg<br>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.<br>Afterglow 1 sec. max<br>Flame Out 1 sec. max | 0.762 cm max.<br>1 sec. max<br>1 sec. max |
| TEMPERATURE RESISTANCE |               | Cold: -65 °F, Hot: 500 °F<br>Inter.: 700 °F                                 | -54 °C to 260 °C,<br>Inter.: 371 °C       |
| COLOR and COATING      |               | Tan Silicone  |   |
| BASE FABRIC and WEAVE  |               | Fiberglass/Plain Weave  |   |

DATA SHEET: 13843 REV: C DATE: 03/14/2014 \*All values are nominal unless otherwise specified.

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

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