

ALPHA ASSOCIATES, INC.

145 LEHIGH AVENUE LAKEWOOD, N.J. 08701
Phone: (732) 634-5700 Fax: (732) 634-1430

ALPHA - MARITEX
STYLE 8451-S



DESCRIPTION

Alpha Maritex Style 8451-S is a welding curtain material made with a fiberglass cloth base and a silicone rubber coating to meet the rigid requirements of the US Navy, specifically on nuclear submarines, and meets Spec. #5404-4, Revision C, dated 10 June 1976. It also meets Specification MIL-C-24576(SH) 25 July 1978, Type III Class 1. Alpha Maritex Style 8451-S meets the requirements of ASTM-E162 and this material is in compliance with the requirements of Section 5.302-3 of the Mandatory Safety Standards Underground Coal Mine.

ADVANTAGES

The special fire-retardant silicone rubber provides greater life and improved resistance to abrasion, flexing, tear and puncture. This material passes all tests for toxic fumes and meets all of the Federal Standards and OSHA Specifications.

PROPERTY DATA STYLE 8451-S

| <u>CHARACTERISTIC</u> | <u>METHOD</u> | <u>VALUES*</u> | |
|------------------------|-------------------|---|---|
| | | <u>ENGLISH</u> | <u>METRIC</u> |
| WEIGHT | ASTM-D-3776 | 30-36 oz/sy | 1020 g/m ² - 1220 g/m ² |
| THICKNESS | ASTM-D-1777 | .037" ± .002" | 0.940 mm ± .05 mm |
| TENSILE STRENGTH | ASTM-D-5034 | Warp- 375 lbs/inch Fill- 225 lbs/inch | 66.98 kg/cm 40.19 kg/cm |
| TEAR STRENGTH | ASTM-D-5587 | Warp- 35 lbs Fill- 35 lbs | 15.88 kg 15.88 kg |
| BURST STRENGTH | ASTM-D-3786 | 600 psi | 42 kg/cm ² |
| FLAME RESISTANCE | FED 191/5903.2 | Char Length 1 inch max. Afterglow 4 sec. max. Flame Out 5 sec. max. | 2.54 cm max. 4 sec. max. 5 sec. max. |
| TEMPERATURE RESISTANCE | FED SPEC HHB 100B | -67 °F to 500 °F | -55 °C to 260 °C |
| BASE FABRIC and WEAVE | | Fiberglass/Satin Weave | |
| COATING | | Flame Retardant Silicone Rubber | |
| STIFFNESS | MIL-C-24576 (SH) | Warp-. 1600 in/lbs max. Fill- .0800 in/lbs max. | |

DATA SHEET 12784

REV B

DATE: 10/1/98

* All values are nominal unless otherwise specified.

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

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