



ALPHA

engineered composites

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ALPHA - MARITEX
 STYLE FCF-1650

DESCRIPTION

Alpha Maritex Style FCF-1650 is a fluorocarbon - impregnated and coated fiberglass fabric designed for use in removable blankets as a weather/chemical resistant barrier. This fabric is easily sewn and is flexible enough to conform to intricate shapes. The fluorocarbon impregnation and coating is extremely resistant to most industrial chemicals and has been in applications to 600° F. This STANDARD DUTY product can be manufactured to meet the requirements of NRC Guide 1.36 and Military Specification MIL-I-24244.

APPLICATIONS

Removable blankets for valves, flanges, pumps, instrumentation and freeze protection.

ADVANTAGES

- Low Flammability.
- Good Chemical Resistance.
- Excellent Cleanability.
- Excellent Abrasion Resistance.
- Minimal Smoke Levels.
- UV Resistance.

PROPERTY DATA
 STYLE FCF-1650

| <u>CHARACTERISTIC</u> | <u>METHOD</u> | <u>TYPICAL VALUES</u> | |
|------------------------|---------------|-------------------------------------------------------------------------------|------------------------------------------------|
| | | <u>ENGLISH</u> | <u>METRIC</u> |
| WEIGHT | ASTM-D-3776 | 16.5 oz/sy ± 10% | 561 g/m ² ± 10% |
| THICKNESS | ASTM-D-1777 | 0.016" ± 10% | 0.406 mm ± 10% |
| TENSILE STRENGTH | ASTM-D-5034 | Warp- 423 lbs/inch Fill- 308 lbs/inch | 76 kg/cm 55 kg/cm |
| MULLEN BURST | ASTM-D-3786 | 650 psi | 45.5 kg/cm ² |
| FLAME RESISTANCE | ASTM-D-6413 | Char Length 1 inch max. Afterglow 1 second max. Flame Out 1 second max. | 2.54 cm max. 1 second max. 1 second max. |
| | UL 94 | V-0 | |
| TEMPERATURE RESISTANCE | | -150 °F to 600 °F | -101 °C to 315 °C |
| UV RESISTANCE | ASTM-G-154 | 1000 hrs; no change in tensile | |
| BASE FABRIC and WEAVE | | Fiberglass/Satin Weave | |
| COLOR | | Gray | |
| TRAPEZOIDAL TEAR | ASTM-D-5587 | Warp- 25 lbs | 11.3 kg |
| | | Fill- 25 lbs | 11.3 kg |

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

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