



# 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>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	16.5 oz/sy ± 10%	561 g/m <sup>2</sup> ± 10%
THICKNESS	ASTM-D-1777	0.016" ± 10%	0.381 mm ± 10%
TENSILE STRENGTH	ASTM-D-5034	Warp- 410 lbs/inch Fill- 350 lbs/inch	71.44 kg/cm 53.58 kg/cm
MULLEN BURST	ASTM-D-3786	650 psi	45.5 kg/cm <sup>2</sup>
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.
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	

DATA SHEET: 13345 REV: I DATE: 11/29/2017 \*All values are nominal unless otherwise specified.

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

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