



ALPHA

engineered composites

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ALPHA - MARITEX
 STYLE 2025/9480 HT

DESCRIPTION

Alpha Maritex Style 2025/9480-HT is a heavy weight, plain weave, fiberglass cloth with aluminum foil laminated to one side with a special high-temperature adhesive with excellent heat, chemical and moisture resistance. This composite is designed to withstand temperatures of 250°C with short term exposure limits to 270°C.

APPLICATIONS

Designed for higher temperature exposure than Alpha Style 2025/9480 and for use as a liner material in removable blankets to prevent absorption of hydrocarbons or water. Can also be used as a heat reflecting barrier material.

SPECIFICATION COMPLIANCE

Mil-C-20079 Type I, Class 10
 Mil-I-24244
 USCG 164.009

PROPERTY DATA
 STYLE 2025/9480 HT

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	19.5 oz/sy ± 10%	663 g/m ² ± 10%
THICKNESS	ASTM-D-1777	0.026" ± .001"	0.660 mm ± .025 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 250 lbs/in Fill- 200 lbs/in.	44.72 kg/cm 35.72 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp- 50 lbs. Fill- 50 lbs	22.68 kg 22.68 kg
BURST STRENGTH	ASTM-D-3786	550 psi	38.5 kg/cm ²
FLAME RESISTANCE	ASTM D-6413	Char Length 1 inch max. Afterglow 1 sec. max. Flame Out 1 sec. max.	2.54 cm max. 1 sec. max. 1 sec. max.
TEMPERATURE RESISTANCE		-40°F to +482°F	-40°C to 250°C
SHORT TERM EXPOSURE		10 hrs. @ 518°F	-40°C to 270°C
COLOR and COATING		Aluminum Foil	
BASIC FABRIC and WEAVE		Fiberglass/Plain Weave	

DATA SHEET: 13420 REV: G DATE: 9/17/13 *All values are nominal unless otherwise specified.

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

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