



ALPHA

engineered composites

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ALPHA - TEMP (FABRIC BASE)
 STYLE 7642/9480 HT

DESCRIPTION

Alpha Style 7642/9480 HT is a lamination of fiberglass fabric and aluminum foil with a thermoset high temperature adhesive.

PROPERTY DATA
 STYLE 7642/9480 HT

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	9.2 oz/sy ± 10%	294 g/m ² ± 10%
THICKNESS	ASTM-D-1777	0.013" ± .001"	0.329 mm ± 0.03 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 250 lbs./inch Fill- 120 lbs/inch	44.66 kg/cm 26.79 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp- 20.0 lbs Fill- 20.0 lbs.	9.07 kg 9.07 kg
MULLEN BURST	ASTM-D-3786	200 psi	31.5 kg/cm ²
FLAME RESISTANCE	ASTM-D-6413	Char Length 1/2 inch max. Afterglow 1 second max. Flame Out 1 second max.	1.27 cm max. 1 second max. 1 second max.
BASE FABRIC and WEAVE		Fiberglass/Plain Weave	
COLOR and COATING		Aluminum Foil	
TEMPERATURE RESISTANCE		-40 °F to 450 °F max.	-40 °C to 232 °C

DATA SHEET: 14099 REV: B DATE: 07/10/2014 *All values are nominal unless otherwise specified.

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

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