



ALPHA

engineered composites

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ALPHA - ALAFLEX
 STYLE 8101-2-SS

DESCRIPTION

Alpha Alaflex Style 8101-2-SS silver grey is a fiberglass fabric coated with a flame retardant, silicone elastomer.

APPLICATIONS

This product is designed specifically for flexible duct applications where high temperature resistance is a necessity.

ADVANTAGES

The special high temperature elastomer provides greater life and improved resistance to abrasion, flexing, tearing and puncture.

PROPERTY DATA
 STYLE 8101-2-SS

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	12.0 oz/sy ± 10%	408 g/m ² ± 10%
THICKNESS	ASTM-D-1777	0.014" ± .001"	0.356 mm ± .025 mm
TENSILE STRENGTH	ASTM-D-5034	Warp- 250 lbs./inch Fill- 250 lbs/inch	44.65 kg/cm 44.65 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 0.5 inch max. Afterglow 1 sec. max. Flame Out 1 sec. max.	1.27 cm max. 1 sec. max. 1 sec. max.
TEMPERATURE RESISTANCE		-65 °F to +500 °F Continuous Service	-54 °C to 260 °C
CORROSION RESISTANCE	ASTM-C-1136	120 °F @95% RH 20 days Result - Passes	49 °C

DATA SHEET: 13083 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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