



ALPHA

engineered composites

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AlphaTex 4201-2-SS

DESCRIPTION

AlphaTex 4201-2-SS is a woven, alkali-free, aluminosilicate fiberglass impregnated with a specially formulated silicone elastomer at 25% by weight with great flame resistance, abrasion, flex, tear, and puncture toughness. AlphaTex 4201-2-SS is designed for higher mechanical strength at elevated temperatures via high silica, alumina, and calcium oxide content and superior protection against corrosion under insulation potential with lower leachable sodium ion contamination versus competitive products on the market today.

ADVANTAGES

Greater thermal stability, lower propensity to contribute to corrosion under insulation, weather resistant, fluid resistant, UV resistant, low flame-smoke-and-toxicity, easily sewn, and has a thin lightweight profile.

APPLICATIONS

This product is the next generation in high-temperature removable pads, flange covers, and valve covers.

PROPERTY DATA

AlphaTex 4201-2-SS

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>TYPICAL VALUES</u>		
		<u>ENGLISH</u>	<u>METRIC</u>	
WEIGHT	ASTM-D-3776	17 oz/sy +/- 10%	578 g/m ²	
THICKNESS	ASTM-D-1777	0.015" +/- 10%	0.381 mm	
TENSILE STRENGTH	ASTM-D-5034	Warp-	450 lbs./inch	80 kg/cm
		Fill-	225 lbs./inch	40 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp-	90 lbs.	41 kg
		Fill-	65 lbs.	29 kg
BURST STRENGTH	ASTM-D-3786	600 psi	42 kg/cm ²	
FLAME RESISTANCE	ASTM-D-6413	Char Length	0.300 inches	0.762 cm
		Afterglow	1 second	1 second
		Flame Out	1 second	1 second
OPERATING TEMPERATURE		-85 °F to 500 °F	-65°C to 260°C	
INTERMITTENT EXPOSURE		+700°F	+371 °C	
COLOR and COATING		Silver Silicone		
BASE FABRIC and WEAVE		High Temperature Fiberglass, 4-Harness Satin		

DATA SHEET: 15081 REV: C DATE: 3/11/25 *All values are nominal unless otherwise specified.

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

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