



ALPHA

engineered composites

145 Lehigh Avenue, Lakewood, NJ 08701
T: 732.634.5700 **F:** 732.634.1430 alphainc.com

AlphaTex 4025 9383

DESCRIPTION

AlphaTex 4025 9383 is a woven, alkali-free, aluminosilicate fiberglass fabric designed for high flexibility, tear resistance, and puncture toughness. AlphaTex 4025 9383 is designed for both greater high temperature stability via high silica, alumina, and calcium oxide content and superior protection against corrosion under insulation potential with lower leachable fluoride, sodium, and potassium ion contamination versus competitive products on the market today.

ADVANTAGES

Greater thermal stability, lower propensity to contribute to corrosion under insulation, 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. It is used as a flame or heat barrier material in many applications such as the hot side of insulation blankets, radiant heat shields, and any other application where a thermal barrier is required. It is an effective replacement for asbestos mats, millboard, ceramic or refractory fiber paper mat & sheets, and mineral fiber boards. Where thermal resistance and flexibility are mandatory for thermal insulation or gasketing material in home and industrial furnaces, package boiler, and piping applications, AlphaTex 4025 9383 is the industry choice.

PROPERTY DATA

AlphaTex 4025 9383

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>TYPICAL VALUES</u>		
		<u>ENGLISH</u>		<u>METRIC</u>
WEIGHT	ASTM-D-3776	17.3 oz/sy		588.0 g/m ²
THICKNESS	ASTM-D-1777	0.029"		0.737 mm
TENSILE STRENGTH	ASTM-D-579	Warp-	488 lbs/inch	87 kg/cm
		Fill-	460 lbs/inch	82 kg/cm
FLAME RESISTANCE	ASTM D-6413	Char Length	1.0 inch	2.54 cm
		Afterglow	1.0 second	1.00 second
		Flame Out	1.0 second	1.00 second
CONTINUOUS OPERATING TEMPERATURE		+1400 °F		+760 °C
BASE FABRIC AND WEAVE		High Temperature Fiberglass, Plain		
ENDS PER INCH	ASTM-D-3775	20 (±2) x 14 (±2)		

DATA SHEET: 15084 REV: B DATE: 3/11/2025

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

All statements herein are expressions of opinion that we believe to be accurate and reliable, but are presented without guaranty or responsibility on our part. Statements concerning possible use of our products are not intended as recommendations for their use alone or in combination with any materials or elements to infringe any patents. No patent warranty of any kind, express or implied, is made or intended.