



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.

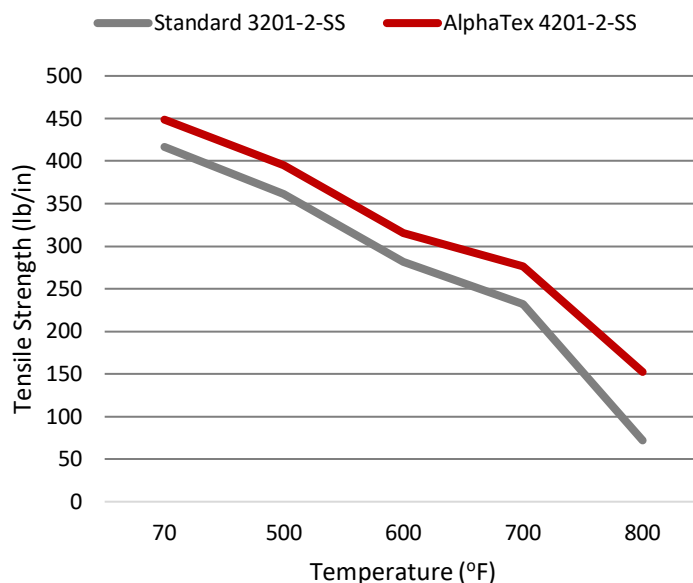
APPLICATIONS:

- High Temperature Insulation for Power Generation, Industrial Automation
- Nuclear and Military Thermal Protection
- Petrochemical, Oil & Gas, Welding & Cutting
- Marine & Offshore Equipment Systems
- Semiconductor & High-Tech Precision Processing

FEATURES AND ADVANTAGES:

- Greater thermal stability
- Minimizes risk of corrosion under insulation (CUI)
- UV and weather resistant
- Fluid resistant, abrasion resistant
- Easily sewn, highly flexible and conformable

Mechanical Strength After Thermal Exposure



PROPERTY	METHOD	TYPICAL VALUES		
		ENGLISH		METRIC
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		