

Temp/Tex™

Silica Textile

Part #	15-001836 (SC-18)
Color	Tan
Thickness	28 mils
Finished Square Yard Weight	18 oz
Roll Size	35" W x 50 Yds

Base Material

Continuous filament, amorphous silica. Produced by the chemical leaching of glass fibers, resulting in almost pure silica (SiO₂) in the 8 to 10 micron range. Contains no asbestos.

Chemical Restivity

Similar to those of vitreous silica. Chemically compatible with many materials, including the following; air, oxygen, nitrogen, argon, ammonia, carbon monoxide, chlorine, hydrogen chloride, and sulfur dioxide. Also stable in a vacuum, in contact with water, various hydrocarbons, ammonium hydroxide, and hydrochloric, nitric and sulfuric acids.

Abrasion Resistance

Less abrasion-resistant than comparable weight fiberglass or aramid fiber materials.

Flame Resistance

Absolutely fireproof with melt temperature exceeding 3,000°F. Also can be certified to the following specifications;

<u>Organization</u>	<u>Test/Spec</u>
Defense Dept.	MIL-I-24244
Defense Dept.	MIL-I-24576
U.S. Coast Guard	Sbpt. 164.009
National Fire Prot. Assn.	NFPA-701 (SSB Test)

Tear Strength

<u>Warp</u>	<u>Fill</u>	<u>Method</u>
104 cycles	55 cycles	191/5304

(Cylinder test using a 2 lb. load, 2 lb. tension, and 600 grit abrasive paper)

Temperature Limits

Highest temperature protection available in a soft-goods barrier product. Temp/Tex™ Silica will not melt or vaporize until temperatures exceeds 3,000°F. Will insulate continuously and retain its strength and flexibility to temperatures of 1,800°F. Above 1,800°F, some embrittlement and shrinkage occurs, but material will continue to provide thermal protection of 3,000°F.