



Mid-Mountain Materials

THE FINAL BARRIER AGAINST ABRASION, CHEMICALS AND HEAT

SILTEX® 10 AMORPHOUS SILICA TEXTILES

SILTEX® is a family of high performance textile fabrics comprised of high purity, high strength amorphous silica fibers that are woven into a strong, flexible fabric designed for use where severe temperature conditions exist. SILTEX® 10 is excellent for protection of personnel and equipment against welding splatter, sparks, grinding of metals, etc. SILTEX® 10 is also excellent for use in engineered thermal systems, such as turbine covers and exhaust silencer covers, designed for applications where severe temperatures exist.

The amorphous silica fibers that make up SILTEX® 10 are unaffected by most chemicals, except strong alkalis, hydrofluoric acid or sodium. All SILTEX® fabrics are available in standard and pre-shrunk (fired) versions, and are available with several coating and treatment options that enhance certain properties of the product in order to meet required performance characteristics.

AVERAGE PHYSICAL PROPERTIES

> Material	Amorphous Silica 96 - 99%	> Tolerance, % stated.....	+/- 10 unless otherwise specified
> Construction	Woven fabric, 8 harness satin weave	> Break Strength, lb, nom, warp x fill.....	120 x 80
> Use Limit, continuous	1800°F • 982°C	> Abrasion Resistance, cycles to failure, warp	<100
> Use Limit, intermittent.....	2300°F • 1705°C	> Width in. standard.....	36
> Melting Point	3100°F • 1700°C	> Linear Shrinkage, % @ 1800°F • 982°C	8-12
> Weight, oz/sq yd.....	10	> Packaging.....	50 ly per roll
> Thickness, inches, nom.....	.010		

AVAILABLE COATINGS AND TREATMENTS:

- FIRE® – Preheated to 1800°F • 982°C
- ARMATEX® – Silicone coating
- C-MIX™ – Ceramic black coating for increased UV protection
- FIRESTAR® – Mineral coating
- Q-MIX® – High temperature refractory coating

The technical data presented herein are indicative of representative properties and are intended as a specification guide only. No warranties are expressed or implied as application conditions are beyond our control.