



Mid-Mountain Materials

THE FINAL BARRIER AGAINST ABRASION, CHEMICALS AND HEAT

SILTEX® 18 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® 18 is manufactured to a finished weight of 18 ounces per square yard. Its unique properties make it well suited for protection of personnel and equipment against moderate welding splatter sparks, grinding of metals, etc. SILTEX® 18 is also excellent for use in engineered thermal insulation systems designed for severe temperatures, such as Turbine Covers, Exhaust Silencer Covers, etc.

The amorphous silica fibers that make up all SILTEX® products are unaffected by most chemicals, except strong alkalis, hydrofluoric acid or sodium. All SILTEX® fabrics are available in standard "C" and pre-shrunk (fired) versions, and are available with several coating/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 | >200 x 150 (1"x4") |
| > Use Limit, intermittent | 2300°F • 1260°C | > Width in. standard | 36 |
| > Use Limit, continuous | 1800°F • 980°C | > Linear Shrinkage, % 30 minutes | <3 @ 1300°F • 700°C |
| > Melting Point | 3100°F • 1700°C | | 8-12 @ 1800°F • 700°C |
| > Weight, oz/sy | 17.5 | > Packaging | 50 ly per roll |
| > Thickness, inches, nom | .028 | | 300 ly per master roll |

AVAILABLE FORMS:

SILTEX® 18C – Standard product caramelized and includes a light coating to aid in handling, abrasion resistance and fabrication.

SILTEX® 18U – Uncoated, available caramelized as well as loom-state white

SILTEX® 18C – Pre-shrunk, available fired to 1800°F • 980°C, white

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.