Mid-Mountain Materials

THE FINAL BARRIER
AGAINST ABRASION,
CHEMICALS AND HEAT

SILTEX® 36 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® 36 is manufactured to a finished weight of 36 ounces per square yard. Its heavier weight and tight 12-harness satin weave makes SILTEX® 36 the premium product for maximum protection of personnel and equipment against more severe welding splatter, sparks, grinding of metals, etc. SILTEX® 36 is also excellent for use in engineered thermal insulation systems that require higher strength and improved thermal properties over the lighter-weight materials.

The amorphous silica fibers that make up SILTEX® 36 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%
- Construction ..... Woven fabric, 12 harness satin weave
- Use Limit, intermittent ..... 2300ºF • 1260ºC
- Use Limit, continuous ..... 1800ºF • 980ºC
- Melting Point ..... 3100ºF • 1700ºC
- Weight, oz/sy 36
- Thickness, inches, nom ..... .051
- Tolerance, % stated ..... +/- 10 unless otherwise specified
- Break Strength, lb, nom, warp x fill ..... >270 x 180 (1" x 4")
- Abrasion Resistance, cycles to failure, warp ..... <100
- Width in. standard 36
- Linear Shrinkage, % 30 minutes ..... <3 @ 1300ºF • 700ºC
  8-12 @ 1800ºF •980ºC
- Packaging ..... 50 ly per roll
  150 ly per master roll

AVAILABLE FORMS:

SILTEX® 36C – Standard product caramelized and includes a light coating to aid in handling, abrasion resistance and fabrication.

SILTEX® 36U – Uncoated, available caramelized as well as loom-state white

SILTEX® 36PS – Pre-Shrunk, available fired to 1800ºF • 980ºC, white

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