



ENVIRONMENTAL PROTECTION PRODUCTS AND THERMAL BARRIERS For A Green World

SILTEX® 18-UH AMORPHOUS SILICA CLOTH

SILTEX® 18-UH is a high performance fabric comprised of amorphous silica fibers woven into strong, flexible fabrics designed for use where severe temperature conditions exist. Manufactured to a finished weight of 18 ounces per square yard, the unique properties of SILTEX® 18-UH SILICA CLOTH make it well suited for protection of personnel and equipment against welding splatter, sparks, grinding of metals, etc. SILTEX® 18-UH SILICA CLOTH is also excellent for use in engineered thermal insulation systems.



AVERAGE PHYSICAL PROPERTIES

| | |
|--|--|
| Material | 95% Amorphous Silica (+/-1%) |
| Construction | Woven Fabric, 8 Harness Satin |
| Coating | Acrylic |
| Count, inches • cm | 48 x 36 (+/- 2.5) • 19 x 14 (+/-1) (warp x fill) |
| Operating Temperature | 1800°F • 982°C |
| Melting Point | 2462°F • 1350°C |
| Weight, oz/sy • gm/sm, nominal | 17.7 (+/0.9) • 600 (+/-30) |
| Thickness, inches • mm, nominal | 0.028 (+/- .003) • 0.70 (+/- 0.07) |
| Tensile Strength, lb/in • N/5cm | 398 x 285 • 3500 x 2500 (warp x fill) |
| Linear Shrinkage, % @ 1832°F • 1000°C, 30 mins | <14 |
| Composition | |
| SiO ₂ | 95% (+/-1) |
| Al ₂ O ₃ | 3.5% (+/- 0.5) |
| Width, inches • cm, nominal | 36 (+/- 0.8) • 91.44 (+/- 2) |
| Packaging, LY • M | 50 • 45.72 per roll, standard |

Tolerance is +/- 10% unless otherwise stated.

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.

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