



TEXTILES FOR SAFETY & SUPERIOR THERMAL PROTECTION

TDS-111
October 2018

AVSIL® 168CH SILICA FABRIC

Product Description

AVSil® 168CH Silica Fabric is a medium-weight high silica content ($\geq 96\%$) fabric that is engineered to withstand welding sparks and molten metal splatter while protecting personnel and equipment. The density, thickness, and weave construction of **AVSil® 168CH Silica Fabric** makes this fabric ideal for close proximity horizontal welding protection. **AVSil® Silica Fabric** is the preferred choice in the thermal protection of equipment and personnel in high temperature applications. **AVSil® 168CH** can be used for fabricating as **welding drop cloths, stress relief blankets, protective screens/covers, furnace curtains, insulation mats and cable tray wraps**. **AVSil® Silica Fabrics** are used extensively in the Power Generation (Nuclear Approved), Refinery, Shipbuilding, Ship Repair and Metal Processing Industries.

Features

- Fireproof
- Resists Penetration of Weld “Slag” and Passes Welding “Burn Through” Test
- High Strength and Flexibility
- Easily Sewn and Fabricated

Benefits

- Protects Equipment and Personnel in the Toughest Welding Applications
- Protects Against Hot Work Fires
- Wide Product Variety (Blankets, Curtains, Mats)

Technical Data Properties

Silicon Dioxide Content

Nominal Weight: oz./yd² (grams/m²)

Nominal Thickness: inches (mm)

Weave Construction

Melt Point: °F (°C)

AVSil® 168CH

$\geq 96\%$

32 (1050)

0.042 (1.07)

12 Harness Satin

3,000°F (1649°C)

Notes:

1. Standard roll length is 50 yards.
2. AVSil® 168CH is available at width of 36 inches.
3. AVSil® 168CH silica fabric can meet the requirements of Military Spec MIL-C-24576A (SH).
4. A proprietary surface finish is applied for improved handling at low temperatures.
5. AVSil® fabrics are amorphous silica textiles and contain no asbestos or ceramic fibers.

AVS Industries, LLC cannot predict all of the potential applications for which customers may attempt to use the AVSil® Silica Products. AVSil® Silica Products will have varying degrees of effectiveness for each potential application depending on the maximum temperature attained, the length of use, and the amount of temperature fluctuation. If the customer has any questions regarding the use of AVSil® Silica Products in a particular application, please contact AVS Industries, LLC at (302) 221-1720 and we will provide a sample of the AVSil® Silica Products for testing. This product is not warranted against injuries or damages of any kind caused by uses for which this product was not designed, intended, or tested by AVS Industries, LLC.