



WHEN THE **HEAT** IS ON, KEEP YOUR COOL WITH **AVS!**

TDS-110
May 2019

AVSIL® 84CH® WELDING GRADE SILICA FABRIC

Product Description

AVSiI® 84CH® Welding Grade Silica Fabric is a lightweight high silica content ($\geq 96\%$) fabric that is engineered to withstand welding sparks and light molten metal splatter while protecting personnel and equipment. The superior strength, weave construction, and high melt point 3000°F (1649°C) of **AVSiI® 84CH® Welding Grade Silica Fabric** makes this fabric ideal for light welding and spark protection during hot work operations. **AVSiI® 84CH® Welding Grade Silica Fabric** can be used for fabricating all types of welding curtains, blankets, or pads. Fabric properties will be maintained at intermittent temperatures up to 1800°F (982°C). AVSiI® 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
- Excellent retained strength at temperatures up to 1800°F (982°C)
- 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 (g/m²)

Nominal Thickness: inches (mm)

Width: inches (cm)

Weave Construction

Melt Point: °F (°C)

AVSiI® 84CH® Welding Grade

$\geq 96\%$

18 (610)

0.030 (0.76)

36 (91.4)

8 Harness Satin

3000°F (1649°C)

NOTES:

1. Standard roll length is 50 yards.
2. AVSiI® 84CH® silica fabric can meet the requirements of Military Spec MIL-C-24576A (SH).
3. A proprietary surface finish is applied for improved handling at low temperatures.
4. AVSiI® 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 **AVSiI® 84CH® Welding Grade Silica Fabric**. **AVSiI® 84CH® Welding Grade Silica Fabric** 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 **AVSiI® 84CH® Welding Grade Silica Fabric** in a particular application, please contact AVS Industries, LLC at (302) 221-1720 and we will provide a sample of the **AVSiI® 84CH® Welding Grade Silica Fabric** 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.