



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

TDS-12
May 2019

AVSIL® 188CH® FABRICATION GRADE SILICA FABRIC

Product Description

AVSIL® 188CH® Fabrication Grade Silica Fabric is a heavyweight high silica content ($\geq 96\%$) fabric that is engineered to withstand continuous operating temperatures up to 1800°F (982°C) while maintaining flexibility and moderate strength. **AVSIL® 188CH® Fabrication Grade Silica Fabric** has a proprietary surface finish applied to improve the thermal performance and handling properties for the fabrication of textile parts.

The superior strength, weave construction, and high melt point 3000°F (1649°C) of **AVSIL® 188CH® Fabrication Grade Silica Fabric** makes this fabric an excellent choice for hot work operations that consist of heavy to extreme welding (sparks and molten metal splatter) and grinding applications. **AVSIL® 188CH® Fabrication Grade Silica Fabric** can be fabricated into all types of welding curtains, blankets, or pads. 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 molten metal splatter and passes welding “burn through” testing
- 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 (grams/m²)

Nominal Thickness: inches (mm)

Weave Construction

Melt Point: °F (°C)

AVSIL® 188CH® Fabrication Grade

$\geq 96\%$

36 (1220)

0.048 (1.22)

12 Harness Satin

3000°F (1649)

NOTES:

1. Standard roll length is 50 yards.
2. AVSIL® 188CH® is available at widths of 36 inches (91.4 cm) and 60 inches (152.4 cm).
3. AVSIL® 188CH® - 60” (152.4 cm) is packaged in 25-yard rolls.
4. AVSIL® 188CH® silica fabric can meet the requirements of Military Spec MIL-C-24576A (SH).
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® 188CH® Fabrication 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 AVSIL® 188CH® Fabrication Grade Silica Fabric in a particular application, please contact AVS Industries, LLC at (302) 221-1720 and we will provide a sample of the AVSIL® 188CH Fabrication Grade Silica Fabric. 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.