



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

**TDS-11**  
**May 2019**

## **AVSIL® 168CH FABRICATION GRADE SILICA FABRIC**

### **Product Description**

**AVSIL® 168CH® 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® 168CH® 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® 168CH® Fabrication Grade Silica Fabric** makes this fabric an excellent choice for hot work operations that consist of moderate to heavy welding (sparks and molten metal splatter) and grinding applications. **AVSIL® 168CH® 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, mat)

### **Technical Data Properties**

Silicon Dioxide Content

Nominal Weight: oz./yd<sup>2</sup> (grams/m<sup>2</sup>)

Nominal Thickness: inches (mm)

Weave Construction

Melt Point: °F (°C)

### **AVSIL® 168CH Fabrication Grade**

$\geq 96\%$

32 (1085)

0.044 (1.12)

12 Harness Satin

3,000°F (1649)

### **NOTES:**

1. Standard roll length is 50 yards (45.72 meters) and roll width is 36 inches (91.4 cm).
2. 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 AVSIL® 168CH Fabrication Grade Silica Fabric. AVSIL® 168CH 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® 168CH 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® 168CH Fabrication 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.