



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

**TDS-108**  
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## **AVSIL<sup>®</sup> BT18T SILICA FABRIC**

### **Product Description**

**AVSIL<sup>®</sup> BT18T Silica Fabric** is a lightweight high silica content fabric that is engineered to withstand continuous operating temperatures up to 1900°F (1038°C). **AVSIL<sup>®</sup> BT18T Silica Fabric** is typically used for the fabrication of high temperature textile products for industrial and automotive applications. The broken twill weave improves handling properties over the conventional satin weave construction. **AVSIL<sup>®</sup> BT18T Silica Fabric** is treated with a proprietary surface finish to improve handling and thermal properties.

### **Applications**

**AVSIL<sup>®</sup> BT18T Silica Fabric** is typically used in the fabrication of textile parts for a variety of end use applications consisting of exhaust insulation wraps, stress relief blankets, thermal pads, protective screens/covers, furnace curtains, insulation mats and cable tray wraps.

### **Technical Data Properties**

Silicon Dioxide Content	≥95%
Weave Construction	Broken Twill
Nominal Weight: oz/yd <sup>2</sup> (g/m <sup>2</sup> )	18 (610)
Thread Count	
Warp	48
Fill	33
Nominal Tensile Breaking Strength (lbs.)	
Warp	250
Fill	200
Nominal Thickness: inches (mm)	0.022 (0.56)

#### **NOTES:**

1. Roll length is 50 yards, and roll width is 36 inches (91.44 cm).
2. This silica fabric is made from amorphous silica filaments 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<sup>®</sup> BT18T Silica Fabric**. **AVSIL<sup>®</sup> BT18T 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<sup>®</sup> BT18T Silica Fabric** in a particular application, please contact AVS Industries, LLC at (302) 221-1720 and we will provide a sample of the **AVSIL<sup>®</sup> BT18T 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.