



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

**TDS-143**  
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## **AVSHIELD™ MID-SILICA FABRICS**

### **Product Description**

**AVShield™ Mid-Silica Fabrics** are satin weave welding protection fabrics that have been engineered with a mid-range silica content for improved thermal properties compared to conventional fiberglass fabrics. A proprietary surface finish is applied to the fabrics to improved handling properties for end use applications. The degradation temperature of **AVShield™ Mid-Silica Fabrics** is over 2300°F (1260°C) which makes them an excellent choice for light to moderate hot work operations. **AVShield™** performance has been verified using a Propane and MAPP gas torch for 2 minutes with no burn through.

### **Applications**

**AVShield™ Mid-Silica Fabrics** are designed for light to moderate welding applications where protection is required from welding sparks and low levels of molten metal. Improved thermal protection is obtained as the weight and thickness of the fabric increases. **AVShield™ Mid-Silica Fabrics** can be easily fabricated into welding curtains and/or blankets.

### **Nominal Properties**

	<b>AVShield™ 18</b>	<b>AVShield™ 36</b>
Weave Style	Satin	Satin
Weave Construction	8 Harness	12 Harness
Color	Tan	Tan
Tensile Strength, lbs./in Warp/Fill.	225/175	350/250
Thickness, in.(mm)	0.027 (0.66)	0.053 (1.35)
Weight, oz./yd <sup>2</sup> (grams/m <sup>2</sup> )	18 (610)	36 (1220)
Width, Inches(cm)	36 (91.4)	36 (91.4)
Roll Length, Yards (M)	50 (45.7)	50(45.7)

AVS Industries cannot predict all of the potential applications for which customers may attempt to use the **AVShield™ Mid-Silica Fabrics**. **AVShield™ Mid-Silica Fabrics** 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 **AVShield™ Mid-Silica Fabrics** in a particular application, please contact AVS Industries at (302) 221-1720 and we will provide a sample of the **AVShield™ Mid-Silica Fabrics** 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.