



LEADERS IN HIGH PERFORMANCE TEXTILES FOR THERMAL PROTECTION

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## AVSiI® STP110CH PLAIN WEAVE SILICA FABRIC

### Product Description

**AVSiI® STP110CH** plain weave silica fabric is composed of texturized yarns and has improved insulating properties over the more common satin weave silica fabrics. It also has improved fabrication properties for certain applications because of less edge fraying due to the weave construction and the applied proprietary surface finish. **AVSiI® STP110CH plain weave** silica fabric does not contain any asbestos and can be used for thermal applications up to 1800°F (982°C).

### Applications

Typical applications for **AVSiI® STP110CH** plain weave silica fabric include **slit tape, gaskets, tadpole gaskets, insulation wraps, expansion joints, and specialized hot weld insulation and protection.** Topological surface treatments like silicone, vermiculite, or acrylic can be applied to one or both sides for specific end use applications.

### Technical Data Properties

	<b>AVSiI® STP110CH</b>
Color	Tan
Nominal Weight: oz./yd <sup>2</sup> (grams/m <sup>2</sup> )	40 (1354)
Nominal Thickness: inches (mm)	0.080 (2.01)
Nominal Areal Shrinkage, %	14
Break Strength, lbs. /in.	
Warp	400
Fill	160
Silica content, %	≥96
Melt Point: °F (°C)	3,000°F (1649°C)

### Notes:

1. Standard roll length: 50 yards for 40 inches wide fabric and 25 yards for 58 inches wide.
2. AVSiI® fabrics are amorphous silica textiles and contain no asbestos or ceramic fibers.
3. Shrinkage data represents areal shrinkage after 30 minutes of exposure time at 1800°F (982°C).

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