



LEADERS IN HIGH PERFORMANCE TEXTILES FOR THERMAL PROTECTION

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## AVSiI® DOUBLE PLAIN WEAVE SILICA FABRICS

### Product Description

**AVSiI® Double Plain Weave (DPW)** silica fabric is composed of texturized yarns and has improved insulating properties over the more common satin weave 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® Double Plain Weave** silica fabric does not contain any asbestos and can be used for thermal applications up to 1900°F.

### Applications

**AVSiI® Double Plain Weave** silica fabric is typically used in the manufacture of high temperature fabricated parts and for the protection of equipment and personnel during extreme welding conditions where horizontal molten metal protection is critical. **Fabricated parts consist of slit tape, gaskets, tube seals, tadpole gaskets, insulation wraps, welding and foundry curtains, and expansion joints.** Silicone can be applied to one or both sides for specific end use applications.

### Technical Data Properties

	DPW70CH
Color	Tan
Nominal Weight: oz./yd <sup>2</sup> (gms/m <sup>2</sup> )	70 (2369)
Nominal Thickness: inches (mm)	0.165 (4.14)
Nominal Areal Shrinkage, %	14
Break Strength, lbs./in.	
Warp	200
Fill	130
Silica content, %	>96
Roll width, inches	38
Roll length, yds.	25
Melt Point: °F (°C)	3,000°F/1649°C

### Notes:

1. Standard roll length is 25 yards.
2. AVSiI® Double Plain Weave is available at a width of 38 inches.
3. AVSiI® fabrics are amorphous silica textiles and contain no asbestos or ceramic fibers.
4. Shrinkage data represents areal shrinkage after 30 minutes of exposure time at 1900°F.

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.