



SERVICING THE WORLD WITH HIGH TEMPERATURE TEXTILES

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AVSil® STP110CH PLAIN WEAVE SILICA FABRIC

Product Description

AVSil® STP110CH 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. **AVSil® STP110CH** silica fabric does not contain any asbestos and can be used for thermal applications up to 1800°F.

Applications

AVSil® STP110CH silica fabric typical applications include using this fabric for making slit tape, gaskets, tadpole gaskets, insulation wraps, expansion joints, and specialized hot weld insulation and protection. Silicone can be applied to one or both sides for specific end use applications.

Technical Data

PROPERTIES	AVSIL® STP110CH
Color	Tan
Nominal Weight (oz./yd ² /gms/m ²)	40/1354
Nominal Thickness (in./mm)	0.080/2.01
Nominal Areal Shrinkage, %	14
Break Strength, lbs. /in.	
Warp	400
Fill	160
Silica content, %	>96
Melting temperature, °F	3,000

Notes:

1. Roll length is 50 yards, and roll width is 39 inches. Other roll lengths are available.
2. AVSil® 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.

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