



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

TDS-107
May 2019

AVSiI® PW5T AND PW9T SILICA FABRICS

Product Description

AVSiI® PW5T and PW9T are ultra-lightweight high silica content fabrics that are engineered to withstand continuous operating temperatures up to 1900°F (1038°C). A proprietary surface treatment is applied to the lightweight plain weave silica fabrics to improve handling and thermal properties for end use applications.

AVSiI® PW5T and PW9T Plain Weave silica fabrics do not contain any asbestos.

Applications

AVSiI® PW5T and PW9T are typically used for the fabrication of high temperature textile products for industrial and automotive applications. Fabricated parts consist of thermal insulation wraps and removable insulation covers.

Technical Data Properties

	AVSiI® PW5T	AVSiI® PW9T
Color	Light Tan	Light Tan
Weave Construction	Plain	Plain
Nominal Weight: oz/yd ² (g/m ²)	5 (170)	9 (305)
Nominal Thickness: inches (mm)	0.007 (0.18)	0.012 (0.30)
Silica content, %	>95	>95
Melting temperature: °F (°C)	3000 (1649)	3000 (1649)
Roll width: inches (cm)	40 (101), 50 (127)	40 (101), 50 (127)
Roll length: yards (m)	109.4 (100)	109.4 (100)

NOTES:

1. A proprietary surface finish is applied for improved handling at low temperatures.
2. Silica fabrics are amorphous silica textiles and contain no asbestos or ceramic fibers.

AVS Industries, LLC cannot predict all of the potential applications for which customers may attempt to use **AVSiI PW5T and PW9T** the plain weave silica fabrics. **AVSiI PW5T and PW9T** plain weave 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 **AVSiI PW5T or PW9T** plain weave silica fabrics in a particular application, please contact AVS Industries, LLC at (302) 221-1720 and we can provide a sample of the **AVSiI PW5T or PW9T** 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.