



SERVICING THE WORLD WITH HIGH TEMPERATURE TEXTILES

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ULTISIL® HT TREATED SILICA FABRICS

Product Description

ULTISIL® HT Treated Silica Fabrics are silica fabrics specially treated to provide higher temperature capability than standard silica fabric. Through a proprietary process, standard silica fabrics are “treated to form **ULTISIL® HT Treated Silica Fabrics**. **HT84CH** and **HT168CH Treated Silica Fabrics** have all the great qualities of our Silica Fabrics, with the added performance benefits of increased strength and flexibility at high temperatures. Whereas standard silica fabric allows **only intermittent use at 1800°**, **HT Treated Silica Fabrics remains flexible at continuous temperatures up to 2000°F**. **HT84CH and HT168CH Treated Silica Fabrics** can be used or configured as **furnace curtains, turbine insulation covers, stress relief blankets, reformer seals, protective screens/covers and expansion joints**. HT Treated Silica Fabrics are used extensively in the Furnace, Expansion Joint, Metal Processing and Chemical Process industries.

Features

- High Tensile Strength and Outstanding Flexibility at High Temperatures
- Resists Penetration of Molten Metal
- Fireproof

Benefits

- Multiple Product Use – Will not Turn Rigid or Tear at High Temperatures Life Standard Silica Fabric
- Protects Equipment Personnel
- Protects Against Hot Work Fires

Technical Data

PROPERTIES	ULTISIL® HT84CH	ULTISIL® HT168CH
Silicon Dioxide Content	96% or Greater	96% or Greater
Nominal Weight (oz/yd ²)	18	32
Nominal Thickness (in.)	0.030	0.50
Nominal Areal Shrinkage (%)	6	6

Notes:

1. Roll length is 50 yards, and roll width is 35 inches.
2. Nominal areal shrinkage is after 30 minutes at 1800°F (1000°C).
3. A light hydrocarbon coating is applied for improved handling at low temperature.
4. HT Treated ULTISIL® Silica Fabrics are amorphous ULTISIL® Silica Fabrics, and contain no asbestos or ceramic fibers.

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