



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

TDS-144
July 2020

ULTISIL ET168S SPECIALTY SILICA FABRIC

Product Description

Ultisil ET168S is a high-performance Amorphous Silica Fabric that was engineered for continuous temperature applications up to 2000°F (1093°C). **Ultisil ET168S** is impregnated with a proprietary surface treatment that improves thermal and handling properties. When exposed to high temperatures up to 2000°F (1093°C) the fabric will maintain excellent pliability and moderate strength. **Ultisil ET168S** can be easily sewn into specialty textile parts for a variety of industrial end use applications.

Applications

Ultisil ET168S specialty silica fabric is the product of choice for textile parts that will be exposed to static and dynamic conditions in a high temperature continuous operating environment up to 2000°F (1093°C). **Ultisil ET168S** can be used to fabricate stress relief blankets, protective foundry covers, furnace curtains, insulation mats and tube seals.

Nominal Physical Properties

| | Ultisil ET168S |
|---|-----------------------|
| Silicon Dioxide Content | >95% |
| Nominal Weight (oz./yd ² /g/m ²) | 34/1152.8 |
| Nominal Thickness (in./mm) | 0.047/1.19 |
| Width (Inches) | 36 |
| Areal Shrinkage (%) | 12 to 14% |
| Weave Construction | 12 Harness Satin |
| Melt Point (°F) | 3,000 |
| Tensile Strength, lb./in. | |
| Warp | 710 |
| Fill | 420 |

NOTES:

1. Roll length may vary from 48 to 52 yards.
2. Ultisil HT168S contains no asbestos or ceramic fibers.
3. Areal Shrinkage based on 30 minutes at 1800°F (982°C).

AVS Industries, LLC cannot predict all of the potential applications for which customers may attempt to use the **Ultisil ET168S specialty silica fabric**. **Ultisil ET168S specialty silica fabric** 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 ET168S specialty silica fabric** in a particular application, please contact AVS Industries, LLC at (302) 221-1720 and we will provide a sample of the **Ultisil ET168S specialty silica fabric** 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.