



LEADERS IN HIGH PERFORMANCE TEXTILES FOR THERMAL PROTECTION

TDS – 26
July 2018

AVS FIBERGLASS FG2025

Product Description

AVS Fiberglass FG2025 is a lightweight plain weave E-glass based fabric made from texturized fiberglass yarn. **AVS Fiberglass FG2025** can be supplied as a Greige (GR) loom state fabric, Heat Treated (HT), or surface finished (H) with an AVS proprietary treatment. **AVS Fiberglass FG2025** is a versatile E-glass fiberglass fabric that can be used for a variety of high temperature industrial applications.

Applications

AVS Fiberglass FG2025 is typically used for light welding hot work operations in the form of a curtain or blanket that involves light to heavy sparks with minimal molten metal slag. **AVS Fiberglass FG2025** is also excellent for textile part fabrication for industrial applications. **AVS Fiberglass FG2025** can be easily sewn into complex shapes to meet a variety of end use applications like removable insulation covers, welding curtains, thermal pads, and protective valve covers with continuous temperature requirements below 800°F (427°C).

Features

- Resists most chemicals except acids and caustic
- Excellent handling properties and abrasion resistance
- Good Tensile strength
- Satisfactory resistance to UV, oil, and water
- Standard roll width - 60 inches (1.524 Meters)
- Standard roll length - 50 yards (45.7 meters)

Technical Data Properties

Nominal Weight, oz./yd ² (grams/m ²)	FG2025 18 (610)
Nominal Thickness, in.(mm)	0.030 (0.762)
Base Fabric Fiberglass	Texturized Plain Weave
Filament Diameter, Microns	G (9)
Nominal Constructions, Ends/in.	20 Warp X 14 Fill
Width, in. (M)	60 (1.524)
Tensile Strength, lbs/in.	200 Warp, 150 Fill
Service Temperature, °F (°C)	Up to 1,000 (538)

AVS Industries cannot predict all of the potential applications for which customers may attempt to use the FG2025 Fiberglass Fabric. FG2025 Fiberglass 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 FG2025 Fiberglass Fabric in a particular application, please contact AVS Industries at (302) 221-1720 and we will provide a sample of the FG2025 Fiberglass 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.