



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

TDS-119
July 2019

AVS VERMICULITE COATED PLAIN WEAVE FIBERGLASS FABRICS

Product Description

AVS Vermiculite Coated Plain Weave Fiberglass fabrics are texturized E-glass fiberglass fabrics that have been coated with a proprietary vermiculite coating to improve the thermal resistance of the surface of the fabric to flame and welding sparks/splatter. Prior to the vermiculite coating process; the fabric is heat treated to remove any residue sizing or chemical additives to improve the bonding properties of the binder in the vermiculite coating. The continuous operating temperature for **AVS Vermiculite Coated Plain Weave Fiberglass fabrics** is 1000°F (538°C) with a maximum intermittent heat and flame surface temperature of 1500°F (815°C).

Applications

AVS Vermiculite Coated Plain Weave Fiberglass fabrics are used to manufacture high temperature textile products for industrial applications. **AVS Vermiculite Coated Plain Weave Fiberglass fabrics** are typically used in the manufacture of removable insulation covers, welding blankets, and other thermal applications.

Features/Benefits

- Improved abrasion resistance from the vermiculite coating
- Improved heat and flame resistance due to the vermiculite coating.
- Excellent retained strength at continuous temperatures up to 1000°F (538°C).

Technical Data- Properties

	FG2025VC	FG24VC	FG35VC
Weave Style	Plain	Plain	Plain
Warp, Ends/in.	20	13	11
Fill, Ends/in.	14	12	10
Tensile Strength, lbs./in Warp/Fill.	250/150	280/250	700/600
Thickness, in.(mm)	0.029 (0.74)	0.038 (0.96)	0.053 (1.35)
Weight, oz./yd ² (grams/m ²)	19 (644)	25 (848)	37 (1254)

NOTES:

1. All properties shown above are nominal values.
2. All fabrics are made from texturized yarn.
3. Standard Roll width is 60 inches (152 cm) and standard roll length is 50 yards (45.7 meters).
4. Fabric color is tan.

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