



LEADERS IN HIGH PERFORMANCE TEXTILES FOR THERMAL PROTECTION

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FLXGLAS® HT TREATED PLAIN WEAVE FIBERGLASS FABRICS

Product Description

FLXGLAS® HT Treated Plain Weave fiberglass fabrics are specialty fiberglass fabrics for continuous temperature applications. Utilizing a special coating process, the fiberglass fabrics are treated with a proprietary inorganic treatment in order to extend the continuous temperature capability of the fabrics. Conventional fiberglass fabrics can only be used at continuous temperatures up to 800°F (427°C), FLXGLAS® HT fiberglass fabrics can withstand continuous temperatures up to 1200°F (649°C) while maintaining good strength and flexibility. FLXGLAS® HT fiberglass fabrics consistently outperforms both standard fiberglass and other so-called “treated” fiberglass fabrics in elevated continuous temperature applications.

Applications

FLXGLAS® HT Plain Weave Fiberglass fabrics are used to manufacture high temperature textile products for industrial applications. **FLXGLAS® HT Plain Weave fiberglass fabrics** are typically used in dynamic conditions where textile products are flexing and moving in high temperature conditions. Typical uses are expansion joints, tube seals, removable insulation covers, and exhaust applications.

Features

- Maintains High Tensile Strength at Elevated Temperatures
- Remains Flexible at High Temperatures
- Non-Flammable
- High Product Value
- Assures Product Stability in High Temperature Applications
- Does Not Become Rigid and Brittle after exposure to temperatures up to 1200°F (649°C)
- Strong, Flexible and Economical in Price

Technical Data Properties

	HT2025H	HT24H	HT36H
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
Nominal Weight, oz./yd ² (grams/m ²)	18 (610)	24 (813)	36 (1220)
Nominal Thickness, in.(mm)	0.026 (0.66)	0.035 (0.90)	0.050 (1.27)
Service Temperature, °F (°C)	Up to 1,200 (649)	Up to 1,200 (649)	Up to 1,200 (649)

Notes:

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

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