



Product Technical Data Sheet

## **Fiberglass Textiles Cloth, Tape, Rope and Braid**

### **Product Description:**

Fiberglass textile products are made from high temperature fiberglass yarn. It has outstanding heat resistance, high tensile strength, low thermal conductivity, and excellent chemical resistance. They are durable, resistant to mildew, and have no hazard to health. Fiberglass textiles are ideal material for various industrial insulation applications. They are a good substitute for asbestos for 1000° F level applications.

### **Main Characteristics:**

- Heat, spark and flame resistant
- Chemical resistant
- Low thermal conductivity
- High tensile strength, no stretch or shrink
- High dielectric strength
- No hazard to health

### **Chemical and Physical Data:**

#### **Chemical Composition(Typical):**

SiO<sub>2</sub> 54% Min(SiO<sub>2</sub>+Al<sub>2</sub>O<sub>3</sub> 70%); CaO 18% Max; B<sub>2</sub>O<sub>3</sub> 8%; Fe<sub>2</sub>O<sub>3</sub> 0.5% Max.

#### **Physical Properties:**

Fiber Length: Continuous Filament

Working Temperature: Up to 1,000 °F. (538°C)



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### Coatings

Fiberglass textile products are also available with graphite coating, PTFE coating or vermiculite coating. Coatings provide to the products with extra heat resistance, or enhanced strength or other desired properties.

### Fiberglass Textile Product Styles:

**3300 Yarn:** Available in texturized yarn and non-texturized yarn

**3310 Cloth:** Available in texturized and non-texturized cloth. Weave pattern: plain, twill or satin.

**3320 Tape:** Available in texturized Tape 3320G, and Texturized Drop Warp Tape 3320D

Standard Width: 1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6";

Thickness: 1/16" and 1/8"

Standard Length: 100' (30 m)

**3330 Twisted Rope:** 3-strand roving twisted rope.

Sizes: 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-1/2", 2", 3"

**3340 Square Braid:** Square Braided Packing Rope

Sizes: 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-1/2", 2", 3"

**3350 Round Braid:** Round Braided Packing Rope

Sizes: 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-1/2", 2", 3"

**3355 Knit Round Braid:** Knit Braided Packing Rope

Sizes: 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-1/2", 2", 3"

**3360 Sleeving (Tube):** Wall thickness: 1/16" (.080"); 1/8" (.120")

Standard size: 1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-1/2"