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Ceramic Fiber Textiles



Armil CFS ceramic fiber textiles are woven from high temperature ceramic fiber yarns. Temperature use limit is 2300°F. Material is lightweight and has very low thermal conductivities. Ceramic fiber textiles offer excellent chemical stability and are resistant to attack from most corrosive agents (exceptions being hydrofluoric and phosphoric acids, and strong alkalis). These products are an excellent substitute for asbestos containing products.

Typical Physical Properties

| | |
|-----------------------|---|
| Color: | White |
| Temperature Range: | 1800 °F continuous, 2300°F max (1200°F w/glass insert) |
| Chemical Composition: | 47% AlO ₃ 97% AlO ₃ + SiO ₂ |
| Fiber Diameter | 2-4 microns |
| Fiber Length | 100-250 mm |
| Shrinkage | <3.5% 1800 °F |
| Insulation Properties | |
| 570 °F | 0.84 BTU/sq.ft. °F /in |
| 1100 °F | 0.91 |
| 1800 °F | 1.19 |

See MSDS for additional product and Safety Information

Products Available:

3 ply twisted rope (1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/2". 2" dia)

Round Braid Rope (1/4", 3/8", 1/2", 3/4", 1", 1-1/2". 2" dia)

Square Braid Rope (1/4", 3/8", 1/2", , 3/4", 1", 1-1/2". 2")

Tape-Inconel insert 1/16" and 1/8" thick, 1", 2", 3", 4" wide

Tape-fiberglass insert 1/16" and 1/8" thick, 1/2", 1", 2", 3", 4" wide

Cloth-Inconel insert 1/16" and 1/8" thick

Cloth-fiberglass insert 1/16" and 1/8" thick