

HI-TEMP FABRICS AND TAPES

3000°F Silica Fabrics

Cotronics 399 Silica products are woven from 96% pure Silica fiber. It is totally inorganic and will not smoke when exposed to heat.

399 Silica can be used continuously at 2000°F and provides short term service to 3000°F.

399 Silica is ideal for thermal and electrical insulation, handling molten metals, hose or wire covers, gaskets, expansion joints, welding, arc and molten metal splash protection, etc.

399 Silica is available in a wide variety of forms including Sleaving, Rope, Silicone Coated or Aluminized Cloths, Curtains, Seals, Pads and Hemmed Blankets.

Quantity prices are available upon request.

Tapes

Cat. No.	Thickness	Size/Roll
399T-41.....	0.060".....	1" x 25'
399T-42.....	0.060".....	2" x 25'
399T-81.....	0.125".....	1" x 25'
399T-82.....	0.125".....	2" x 25'

Woven Fabric

Cat. No.	Thickness	Size/Roll
399C-1.....	0.030".....	36" x 10'
399C-2.....	0.054".....	36" x 10'

Adhesive Backed Pressure Sensitive Tapes

Cat. No.	Thickness	Size/Roll
399T-41PS.....	0.060".....	1" x 25'
399T-42PS.....	0.060".....	2" x 25'
399T-81PS.....	0.125".....	1" x 25'
399T-82PS.....	0.125".....	2" x 25'

Sleaving

Cat. No.	Internal Diameter	Size/Roll
399S-1.....	1/64" ID.....	0.008" x 25'
399S-2.....	1/32" ID.....	0.010" x 25'
399S-7.....	1/8" ID.....	0.035" x 25'
399S-4.....	1/4" ID.....	0.020" x 25'
399S-5.....	1/2" ID.....	0.035" x 25'
399S-6.....	1" ID.....	0.035" x 25'
399S-3.....	1/16" ID.....	0.028" x 25'

Silica Mat

Cat. No.	Thickness	Size
399M-1.....	1/4".....	12" x 36"
399M-2.....	1/4".....	24" x 36"

650°F NOMEX - KEVLAR - ARAMID FABRICS

Thermeez™ 398 fabrics, tapes or sleaving are woven from Nomex or Kevlar brand of Aramid Fibers. They are exceptionally strong, temp. resistant, flame retardant and will remain flexible while in use from -100°F to 650°F.

Provides short term service to 850°F.

Thermeez™ 398 Aramid fabrics are resistant to Fungi, Bacteria, Mildew and Abrasion. 398 is non-allergenic and lightweight.

Use for pipe wrap, heat seal covers, pressure fabrics, gaskets and packing.

Can be impregnated with epoxies or silicones for electrical applications, personal protection, flexible equipment curtains and hose coverings, etc.



THERMEEZ™	398	399
Continuous Use Temp.	600 °F	2000 °F
Melting Point	800°F	3100°F
Silica %	0	98
Aramid %	100	0
Dielectric Constant (10 ⁸ cps)	4.00	3.80
Dielectric Strength (volts/mil.)	150	500
Thermal Conductivity (BTU in / Hr. Ft. ² °F)@500°F	0.35	0.45
Tensile Strength (psi x 10) ⁵	80	5
Modules of Elasticity (psi x 10) ⁶	12	10.50
Diameter (microns)	17	11
Porosity (%)	0	1

Braided Rope

Cat. No.	Size
399R-1.....	1/8" x 25'
399R-2.....	1/4" x 25'
399R-3A.....	1/2" x 10'
399R-3.....	1/2" x 15'
399R-4A.....	3/4" x 5'
399R-4.....	3/4" x 10'
399R-5A.....	1" x 5'
399R-5.....	1" x 10'

Sleaving

Cat. No.	Size
398T-2.....	3/8" I.D. x 100'
398T-3.....	1/2" I.D. x 100'

Tapes

Cat. No.	Size
398-41.....	1" x 1/16" x 50'
398-42.....	2" x 1/16" x 50'
398-43.....	3" x 1/16" x 50'
398-81.....	1" x 1/8" x 50'
398-82.....	2" x 1/8" x 50'
398-83.....	3" x 1/8" x 50'

Additional Sizes and Pressure Sensitive Tapes Available on Request