

# HI-TEMPERATURE SILICA FABRICS

## Use to 3000°F

**Cotronics 399 Silica products** are woven from 96% pure Silica fiber.

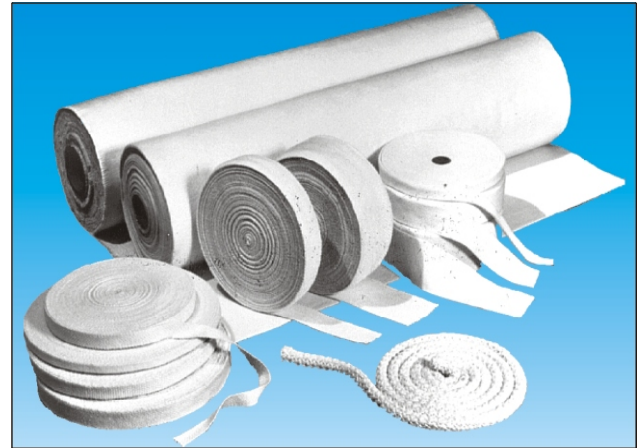
They are totally inorganic and will not smoke when exposed to heat.

399 Silica can be used continuously at 2000°F and will provide 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 Sleeving, Rope, Silicone Coated or Aluminized Cloths, Curtains, Seals, Pads and Hemmed Blankets.

Quantity prices are available upon request.



### Woven Fabric

- 399C-1 . . . . . 0.030" x 36" x 10'
- 399C-2 . . . . . 0.054" x 36" x 10'

### Tapes

- 399T-41 . . . . . 1" x 0.060" x 25'
- 399T-42 . . . . . 2" x 0.060" x 25'
- 399T-81 . . . . . 1" x 0.125" x 25'
- 399T-82 . . . . . 2" x 0.125" x 25'

### Adhesive Backed Pressure Sensitive Tapes

- 399T-41PS . . . . . 1" x 0.060" x 25'
- 399T-42PS . . . . . 2" x 0.060" x 25'
- 399T-81PS . . . . . 1" x 0.125" x 25'
- 399T-82PS . . . . . 2" x 0.125" x 25'

### Sleeving

- 399S-1 . . . . . 1/64" x 0.008" x 25'
- 399S-2 . . . . . 1/32" x 0.010" x 25'
- 399S-7 . . . . . 1/8" x 0.035" x 25'
- 399S-4 . . . . . 1/4" x 0.020" x 25'
- 399S-5 . . . . . 1/2" x 0.035" x 25'
- 399S-6 . . . . . 1" x 0.035" x 25'

### PHYSICAL PROPERTIES

Continuous Use Temp. °F	2000 °F
Melting Point °F	3100 °F
Silica %	98 %
Aramid %	0 %
Dielectric Constant	3.8 (10 <sup>8</sup> cps)
Dielectric Strength	150 (volts/mil.)
Thermal Conductivity @ 500°F	0.45 (BTU in / Hr °F Ft <sup>2</sup> )
Tensile Strength	5 (psi x 10 <sup>5</sup> )
Modules of Elasticity	10.5 (psi x 10 <sup>6</sup> )
Diameter	11 (microns)
Porosity	1%

### Braided Rope

- 399R-1 . . . . . 1/8" x 25'
- 399R-2 . . . . . 1/4" x 25'
- 399R-3 . . . . . 1/2" x 15'
- 399R-4 . . . . . 3/4" x 10'
- 399R-5 . . . . . 1" x 10'

### Silica Mat

- 399M-1 . . . . . 1/4" x 24" x 5'



**COTRONICS** CORPORATION

www.cotronics.com

(718) 646-7996 Fax (718) 646-3028 3379 Shore Parkway, Brooklyn, N.Y. 11235