

2500°F CERAMIC TAPE**Low Cost, Stock Sizes, Ideal For 1000's of Applications**

Ultra-Temp Ceramic Tape is made from Asbestos Free, Aluminum Oxide based, high purity, refractory fibers.

Ultra-temp tapes can be used to temperatures exceeding 2300°F and offer outstanding high temperature stability.

They were designed to replace asbestos based products which were limited in use at 1200°F.

390 Ultra-Temp tapes can be cut with ordinary scissors and formed into complex shapes.

These tapes have low specific heat, low thermal conductivity, resistance to thermal shock, electrical insulation, good dielectric strength and excellent corrosion resistance.



**Ultra Temp 390 In Ready to Use
Job Sized Rolls**

Applications Include:

- **Glass Working** - Smooth will not mar glass surfaces. Use for glass cushioning, annealing, holders furnaces and furnace construction.
- **Ceramics** - Supports for firing, firing separators, kiln construction and repair.
- **Chemistry** - Filters, construction and repair of equipment, reaction construction, lab ovens, catalytic converters, fireproofing.
- **Electrical** - High temperature wire insulation, arcing prevention, dielectric use, crystal holders.
- **Furnaces** - Insulation, lining, tubes, supports, trays, element holders, construction of fast heat-up furnaces.
- **Optics** - Lamp-house insulation, holders, crystal growing equipment, crucible insulation.
- **Instruments** - Special devices, chromatography, heat sensors, thermocouple insulations, etc.
- **Welding, Brazing** - Insulation, non-stick separators.
- **Metal Working** - Liquid aluminum handling, casting alloys, instant crucibles, liners, metal molds.

ULTRA-TEMP™ 390	
Melting Point	3200°F
Continuous Service Temp.	2300°F
Mixed Density (lb. / ft ³)	12
Dielectric Constant (@ 10 ⁸ cps)	1.61
Loss Factor	0.017
Dielectric Strength (volts/mil.)	100
Specific Heat (BTU/# °F)	0.25
Thermal Conductivity (BTU-in / Hr Ft ² °F)	
500°F	0.38
1000°F	0.60
1500°F	0.90
2000°F	1.33

**Ultra Temp 390 is the Ideal Material
For any Shop, Laboratory, Production
or Maintenance Facility**

**Custom Sizes and Quantity Prices Available on Request
See pages 50, 51 for Ceramic Adhesives and Hardeners**

Cat. No.	Thickness	Width x Length
390-21	1/32"	1" x 50'
390-22	1/32"	2" x 50'
390-23	1/32"	3" x 50'
390-41	1/16"	1" x 50'
390-42	1/16"	2" x 50'
390-43	1/16"	3" x 50'
390-81	1/8"	1" x 25'
390-82	1/8"	2" x 25'
390-83	1/8"	3" x 25'
390-91	1/4"	1" x 25'
390-92	1/4"	2" x 25'
390-93	1/4"	3" x 25'

Introducing Thermally Insulating

2300°F Pressure Sensitive Highly Efficient Ceramic Tape

- *Just Press and Stick*
- *Wraps Around Pipes, Equipment, etc.*
- *Excellent Adhesion to Metals, Ceramic & Glass*
- *Great for Thermal & Electrical Insulation*



Introducing, Thermally insulating, 2300°F, Thermally Efficient, Pressure Sensitive, Ceramic Tapes.

390PS Eliminates the time spent twisting, slipping and unwrapping that occurs with standard tapes.

The tape's adhesive backing simplifies placement and installation. Just press and stick.

(Mechanical fastening or high temperature adhesive is required for applications above 400°F.)

Ceramic tape is made from Asbestos Free, Aluminum Oxide based, high purity, refractory fibers.

These tapes have low specific heat and low thermal conductivity. They are resistant to thermal shock and offer electrical insulation, good dielectric strength and excellent corrosion resistance.

The combined ceramic tape and pressure sensitive adhesive make it the ideal material for any high temp. application requiring up to 2300°F service and excellent thermal and electrical resistance.

Applications Include: high temperature insulation, furnace linings, mufflers, gas turbines, fans, ovens, chemical reactors, expansion joint packing, high temp filters, fire protection, sound absorption, stress relieving insulation, non-contaminating brazing and more.

ULTRA-TEMP™ 390PS

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Continuous Service Temp.	2300°F

Density (lb. / ft ³)	12.00
Dielectric Constant (@ 10 ⁸ cps)	1.61
Loss Factor	0.017
Dielectric Strength (volts/mil.)	100.00
Specific Heat (BTU/#°F)	0.25
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1500°F	0.90
2000°F	1.33

390PS ADHESIVE BACKED CERAMIC TAPES

Cat. No.	Size
390-81PS	1/8" x 1" x 50'
390-815PS	1/8" x 1.5" x 50'
390-82PS	1/8" x 2" x 50'
390-83PS	1/8" x 3" x 50'
390-91PS	1/4" x 1" x 62.5'
390-915PS	1/4" x 1.5" x 62.5'
390-92PS	1/4" x 2" x 62.5'
390-93PS	1/4" x 3" x 62.5'



COTRONICS CORPORATION

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