

# 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.

**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.

**Hints and Tips**

Use Resbond 907GF to bond 390 tapes to non porous or metallic surfaces. (Page 38)

Use 7020 Ceramic Putty (page 51) to bond to porous surfaces.

To bond layers together use Rescor 901A primer (pg 50) and Rescor 901 Fiber based adhesive (page 51).



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

<b>ULTRA-TEMP™ 390</b>	
<b>Melting Point °F</b>	<b>3200</b>
Continuous Service Temp. °F	2300
Density (# / ft <sup>3</sup> )	12
Dielectric Constant (@ 10 <sup>6</sup> cps)	1.61
Loss Factor	0.017
Dielectric Strength (volts/mil.)	100
Specific Heat (BTU/# °F)	0.25
Thermal Conductivity (BTU-in / Hr Ft <sup>2</sup> °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**

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

**QUANTITY PRICES - CUSTOM SIZES ON REQUEST**

See pages 50, 51 for Ceramic Adhesives and Hardeners