

# 3000°F CERAMIC PAPER

High Temp, Light Weight, Flexible, Easy to Handle

Cotronics' Ceramic Papers are made from Asbestos - Free, High Purity, Alumina based refractory fibers.

Melting point is 3200°F to 3600°F.

They offer outstanding high temperature stability and can be used continuously from 2300°F to 3000°F.

Cotronics' Ceramic Paper is resistant to thermal shock and corrosion, has excellent electrical resistance, low specific heat and low thermal conductivity.

It can be cut with ordinary hand scissors, folded, wrapped, rolled and will mold around sharp corners.

Strong, free-standing shapes are easily produced.

Ideal for high temp. gaskets, combustion furnaces, induction linings, electrical insulators, handling of molten metals, brazing, heat treating and metal forming operations.



## Select:

**Rescor 300** General purpose needs to 2300°F.

**Ultra-Temp 3300** For extreme temperature applications up to 3000°F.

## Rescor 300BL Binderless

Use in air, vacuum or atmosphere furnaces. Will not burn off organic binders. No fumes associated with initial heat up.

Will not irritate users or contaminate furnaces, parts, etc.

## PROPERTIES

Melting Point (°F)	3200
Service Temp (°F)	2300-3000
Density (# / ft <sup>3</sup> )	12
Dielectric Constant (@10 <sup>8</sup> cps)	1.61
Dielectric Strength (volts/mil.)	100
Loss Factor	0.017
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

## APPLICATIONS

- **Glass Working** . . . . Smooth, will not mar glass surfaces. Cushioning, annealing, glass holders etc.
- **Ceramics** . . . . . Supports for firing, separators, kiln construction and repair.
- **Chemical** . . . . . High temp filters, construction or repair of high temperature equipment, reaction chambers lab ovens, catalytic converters.
- **Electrical** . . . . . High temperature wire insulation, arc prevention, dielectric use, crystal work.
- **Furnaces** . . . . . Insulation, linings, tubes, supports, trays, element holders, construction of fast heating furnaces, gaskets, induction linings, instant crucibles, thermocouples.
- **High Temp.** . . . . . Acoustical insulation, muffler lining, fire protection, high temperature shock absorbers, expansion joints, stress relieving, instruments, chromatography, nuclear.
- **Metal Working** . . . . Liquid aluminum handling, casting alloys, crucibles, distributors, liners, metal molds, welding, soldering, brazing and brazing separators.

Cat No.	Temp.	Size/Roll	l
300-020-3 . . . .	2300°F . . . . .	1/32" x 24" x 50'	
300-020-2 . . . .	2300°F . . . . .	1/32" x 24" x 175'	
300-020-1 . . . .	2300°F . . . . .	1/32" x 12" x 350'	
300-040-3 . . . .	2300°F . . . . .	1/16" x 24" x 25'	
300-040-2 . . . .	2300°F . . . . .	1/16" x 24" x 100'	
300-040-1 . . . .	2300°F . . . . .	1/16" x 12" x 200'	

Cat No.	Temp.	Size/Roll
300-080-3 . . . .	2300°F . . . . .	1/8" x 24" x 25'
300-080-2 . . . .	2300°F . . . . .	1/8" x 24" x 50'
300-080-1 . . . .	2300°F . . . . .	1/8" x 12" x 100'
UT3300-2 . . . .	3000°F . . . . .	1/16" x 24" x 25'
300BL . . . . .	2300°F . . . . .	1/8" x 24" x 25'

**300A Ceramic Paper Trial Kit** (6 ft.<sup>2</sup> each of Rescor 300 -1/32", 1/16", 1/8" thick and 2 ft.<sup>2</sup> of Rescor 300BL)

12" and 48" Widths, Custom Sizes, Quantity Prices on Request  
See pages 50, 51 for Ceramic Adhesives and Hardeners