

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.

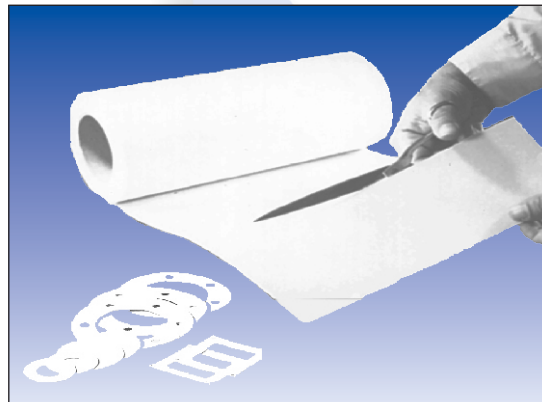
Ideal for high temp. gaskets, combustion furnaces, induction linings, electrical insulators, handling of molten metals, brazing, heat treating and metal forming operations.

Select:

Rescor 300 General purpose needs to 2300°F.

Ultra-Temp 3300 For Extreme Temperature applications up to 3000°F.

Rescor 300BL Use in air, vacuum or atmosphere furnaces. Will not burn off organic binders. Binderless 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
Mixed Density (lb. / ft ³)	12
Dielectric Constant (@10 ⁸ cps)	1.61
Dielectric Strength (volts/mil.)	100
Loss Factor	0.017
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

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.

Cat. No.	Temp.	Thickness	Size/Roll	Price/Roll
300-20-3.....	2300°F.....	1/32".....	24" x 50'.....	198.88
300-20-2.....	2300°F.....	1/32".....	24" x 150'.....	596.64
300-20-1.....	2300°F.....	1/32".....	12" x 300'.....	596.64
300-40-3.....	2300°F.....	1/16".....	24" x 25'.....	294.54
300-40-2.....	2300°F.....	1/16".....	24" x 100'.....	650.60
300-40-1.....	2300°F.....	1/16".....	12" x 200'.....	650.60

Cat. No.	Temp.	Thickness	Size/Roll	Price/Roll
300-80-3.....	2300°F.....	1/8".....	24" x 25'.....	326.58
300-80-2.....	2300°F.....	1/8".....	24" x 50'.....	637.89
300-80-1.....	2300°F.....	1/8".....	12" x 100'.....	637.89
UT3300-2..	3000°F.....	1/16".....	24" x 25'.....	915.79
300BL-1.....	2300°F.....	1/8".....	24" x 25'.....	391.77
300BL-2.....	2300°F.....	1/16".....	24" x 25'.....	221.03
300BL-3.....	2300°F.....	1/32".....	24" x 25'.....	134.21

300A Ceramic Paper Trial Kit (6 ft each of Rescor 300 -1/32", 1/16", 1/8" thick and 2 ft of Rescor 300BL).....135.98
 12" and 48" Widths, Custom Sizes, Quantity Prices on Request
 See pages 50, 51 for Ceramic Adhesives and Hardeners

300R CERAMIC PAPER

REACH COMPLIANT

Highly Efficient, Thermal Insulation

Reach Compliant - Low Thermal Conductivity

High Temperature Stability - Flexibility

Introducing REACH compliant, high temperature, ceramic blankets, the ideal replacement for non compliant, RCF blankets.

Now Available, Cotronics's 300R, ceramic paper made from a unique combination of silica- magnesia to offer an alternative to paper manufactured from refractory ceramic fibers.

Provides outstanding high temperature stability and can be used continuously up until 2300°F.

Cotronics' Reach compliant Ceramic Paper offers excellent chemical*, corrosion, thermal shock and electrical resistance. In addition, 300R offers will not be wet by liquid metal alloys.

(*Not resistant to hydrofluoric and phosphoric acid; strong alkalis.)

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.

Cotronics' REACH compliant, high temperature, ceramic paper, the ideal replacement for non compliant, RCF blankets is ideal for:

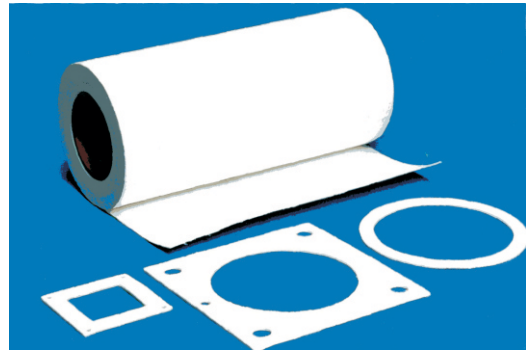
Insulating: glass, furnaces, lab ovens, kilns, reaction chambers, tanks, linings, acoustics, automotive mufflers, refractory back up in ladles, glass, etc.

Creating: heat shields, gaskets for fittings and appliances, wraps for shrouds and metal rods, molds for investment casting mold wrap, separators, element holders, etc.

Protecting: thermocouple tubes, instrumentation, high temperature wiring, expansion joints, fire protection, etc.

Forming: Highly efficient refractory back up insulation in ladles, glass, tanks and other high temp. furnaces; automotive muffler insulation; etc.

Available in 0.12" (3mm) and 0.23" (6mm) thicknesses. Other thicknesses available upon request.



PROPERTIES	
Melting Point (°F)	2730
Maximum Service Temp (°F)	2300
Density (# /ft ³)	10
Average Tensile Strength (psi)	55
Thermal Conductivity (BTU-in. /Hr. Ft ² °F)	
752°F	0.416
1112°F	0.624
1472°F	0.971

Insulation Thickness Selector

