

HIGH TEMP CERAMICS

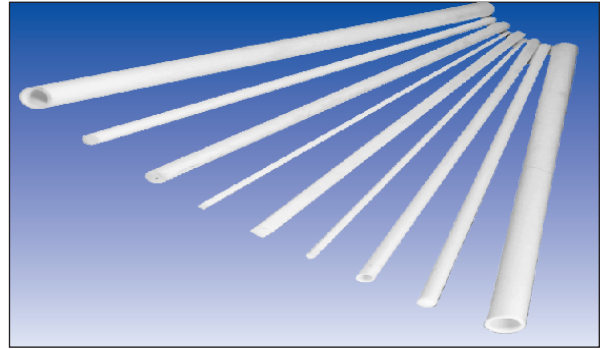
3100°F High Strength 99.8% Alumina

Rescor™ 961 is a high strength, zero porosity, fully fired, 99.8% Alumina Ceramic that can be used continuously to 3100°F. This grade of Alumina is extremely wear resistant and can be machined only with special tooling.

No additional heat treatment is required.

Rescor™ 961 has the chemical, thermal and electrical resistance required for applications in the electrical, electronic, metallurgical, fixture and vacuum industries.

Now available in economical stock sizes for every application. Rescor™ 961 can be bonded with Resbond™ 989 (page 27) or 903HP (page 26).



RODS - BARS - TUBES

Rods

Cat. No.	Dia. x Length	Price
961-10.....	1/8" x 12"	119.48/2 pack
961-11.....	1/4" x 12"	154.94/2 pack
961-12.....	5/16" x 12"	186.14/2 pack
961-13.....	3/8" x 12"	187.97 ea.
961-14.....	1/2" x 12"	278.88 ea.
961-09.....	3/4" x 12"	561.07 ea.

Bars

Cat. No.	OD x ID x Length	Price
961-15.....	1/8" x 1/8" x 12"	157.10 ea.
961-16.....	1/4" x 1/4" x 12"	122.35 ea.

Tubes

Cat. No.	OD x ID x Length	Price
961-01.....	1/8" x 1/16" x 12"	85.10/2 pack
961-02.....	3/16" x 1/8" x 12"	85.88/2 pack
961-03.....	1/4" x 1/8" x 12"	86.68/2 pack
961-04.....	1/2" x 3/8" x 12"	206.98 ea.
961-05.....	3/4" x 1/2" x 12"	306.77 ea.

Two Hole Tubes

Cat. No.	OD x ID x ID x Length	Price
961-06.....	0.125" x 0.040" x 0.040" x 18"	122.40/2 pack
961-07.....	0.188" x 0.063" x 0.063" x 18"	124.18/2 pack

Squares

Cat. No.	Thickness x Width x Length	Price
961-20.....	.025" x 4.5" x 4.5"	53.38 ea.
961-22.....	.040" x 4.5" x 4.5"	68.06 ea.
961-21.....	.060" x 4.5" x 4.5"	128.02 ea.

Discs

Cat. No.	Thickness x Dia.	Price
961-17.....	0.094" x 2"	391.39 ea.
961-18.....	0.156" x 4"	616.80 ea.
961-19.....	0.188" x 6"	778.18 ea.

Bolts - Sets contain 1 Bolt, 1 Nut and 1 Washer)

Cat. No.	Dia. x Length	Price
961-30.....	8/32" x 1.5"	Contact for Price
961-31.....	1/4"-20 x 1.5"	Contact for Price
961-32.....	1/4"-20 x 3.0"	Contact for Price

Quantity Prices Available Upon Request

Rescor™ Cat No.	Al ₂ O ₃ 961	Glass 962
Max Service Temp. (°F)	3100	500
Mixed Density (gms/cc)	3.82	2.23
Thermal Cond. (BTU in / Hr. Ft ² °F)	42	8
Thermal Expansion (x 10 ⁻⁶ /°F)	3.70	1.80
Compressive Strength (psi)	380,000	N/A
Flexural Strength (psi)	40,500	6,900
Modules of Elasticity (x 10 ⁶)	50	64
Dielectric Strength (volts/mil.)	500	100
Volume Resistivity (ohm/cm)	10 ¹⁵	10 ⁸
Porosity (%)	0.00	0.00

RESCOR™ 962 Borosilicate Glass

Rescor™ 962 is high strength, zero porosity, Borosilicate Glass. It is extremely resistant to most chemicals and solvents, can be machined with glass-cutting tools and used continuously to 450°F.

It is clear and transparent, making it ideal for use in many applications.

Rescor™ 962 is now available in economical stock sizes. Custom parts and sizes upon request.

Rescor 962 is easily bonded with Duralco 4463 (page 15) or Resbond 940LE (page 31).

Rods

Cat. No.	Dia. x Length	Price
962-10.....	0.157" x 12"	31.80/6 pack
962-11.....	0.236" x 12"	42.60/6 pack
962-12.....	0.321" x 12"	55.44/6 pack
962-13.....	0.50" x 12"	50.82/3 pack

Tubes

Cat. No.	OD x ID x Length	Price
962-01.....	0.25" x 0.16" x 12"	29.31/3 pack
962-2.....	0.50" x 0.31" x 12"	58.38/3 pack
962-03.....	0.75" x 0.50" x 12"	105.98/3 pack

Squares

Cat. No.	Thickness x Width x Length	Price
962-20.....	0.12" x 4.0" x 4.0"	44.84/2 pack
962-22.....	0.25" x 4.0" x 4.0"	44.84/2 pack
962-21.....	0.37" x 4.0" x 4.0"	105.60/2 pack

Discs

Cat. No.	Thickness x Dia.	Price
962-17.....	0.25" x 2"	53.24 ea.
962-18.....	0.25" x 4"	61.99 ea.
962-19.....	0.25" x 6"	103.25 ea.