

960 MACHINABLE ALUMINA

Ultra High Temp. Use Up To 3000°F

- **Electrical Components**
- **Insulators**
- **Prototypes**
- **Brazing, Vacuum
& R. F. Heating Fixtures**



Precision Components - Tooling - Fixturing

Rescor™ 960 is a 96% Alumina, Machinable Ceramic that is usable to 3000°F.

It is manufactured from high purity alumina by a unique process.

Machining can be accomplished with conventional tooling on standard shop equipment. No heat treatment is required.

Rescor™ 960 Machinable Alumina can be used continuously to temperatures of 3000°F and offers the convenience and economy of an in house capability for Alumina parts.

The chemical, thermal and electrical properties of Rescor™ 960 is equivalent to standard high alumina ceramics.

Rescor™ 960 is ideal for applications in electrical, electronic, metallurgical, fixtures and vacuum industries.

Use Rescor™ 960 hardener (a clear ceramic impregnant) to harden and increase the wear resistance of the 960 surface. Just apply and cure at 600°F.

Rescor™ 961 is a fully dense, zero porosity, high strength

Physical Properties	
Max Operating Temp (°F)	3000
Melting Point (°F)	3400
Compressive Strength (psi)	60,000
Flexural Strength (psi)	38,000
Thermal Expansion ($\times 10^{-6}/^{\circ}\text{F}$)	4.30
Mixed Density (gms/cc)	3.00
Dielectric Strength (volts/mil.)	200
Volume Resistivity (ohm-cm)	10^{14}
Loss Factor (@ 1MHz)	0.0016
Dielectric Constant (@ 1MHz)	9
Thermal Cond. (BTU in / Hr. Ft ² °F)	32
Typical Tolerances	-0.005" to +0.030"

Cat. No.	Rod Stock Sizes	Price
960-1.....	1/4" x 6".....	42.84
960-3.....	1/2" x 12".....	136.85
960-4.....	5/8" x 12".....	194.38
960-5.....	3/4" x 12".....	203.55
960-7.....	1" x 12".....	271.81
960-12.....	1.5" x 12".....	423.20
960-9.....	2" x 12".....	535.33
960-10.....	2.5" x 12".....	667.00
960-11.....	3" x 12".....	768.20
960-13A.....	3.5" x 6".....	418.60
960-13.....	3.5" x 12".....	837.20

Cat. No.	Plate Stock Sizes	Price
960-14.....	1/4" x 6" x 6".....	263.93
960-15.....	1/2" x 6" x 6".....	317.40
960-16.....	3/4" x 6" x 6".....	432.20
960-17.....	5/8" x 6" x 6".....	363.40
960-TK.....	Trial Kit.....	275.00
960H.....	Hardener Pint.....	47.83

**Send in your Prints
for Custom Machining Services**