

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

Cat. No. Rod Stock Sizes

960-01.....	1/4" x 6"
960-03.....	1/2" x 12"
960-04.....	5/8" x 12"
960-05.....	3/4" x 12"
960-07.....	1" x 12"
960-12.....	1.5" x 12"
960-09.....	2" x 12"
960-10.....	2.5" x 12"
960-11.....	3" x 12"
960-13A.....	3.5" x 6"
960-13.....	3.5" x 12"

Physical Properties	
Max Operating Temp (°F)	3000
Melting Point (°F)	3400
Compressive Strength (psi)	60,000
Flexural Strength (psi)	38,000
Thermal Expansion (x10 ⁻⁶ /°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. Plate Stock Sizes

960-14.....	1/4" x 6" x 6"
960-15.....	1/2" x 6" x 6"
960-16.....	3/4" x 6" x 6"
960-17.....	5/8" x 6" x 6"
960-TK.....	Trial Kit
960H-1.....	Hardener Pint

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