

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 Alumina. It is now available in tubes, rods, bars and custom sizes or parts (see page 54).

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)	4.3
Density (gm/cc)	3.0
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 °F Ft ²)	32
Typical Tolerances	-0.005" to +0.030"

Cat. No.	Rod Stock Sizes	Cost
960-1	1/4" x 6"	18.95
960-3	1/2" x 12"	60.00
960-4	5/8" x 12"	74.15
960-5	3/4" x 12"	84.95
960-7	1" x 12"	112.75
960-12	1.5" x 12"	145.65
960-9	2" x 12"	174.65
960-10	2.5" x 12"	199.95
960-11	3" x 12"	238.65
960-13A	3.5" x 6"	134.66
960-13	3.5" x 12"	309.95

Cat. No.	Plate Stock Sizes	Cost
960-14	1/4" x 6" x 6"	124.50
960-15	1/2" x 6" x 6"	156.30
960-16	3/4" x 6" x 6"	209.50
960-18	5/8" x 6" x 6"	168.25
960K	Trial Kit	64.95
960H	Hardener Pint	35.00

**Send Prints for
Custom Machining Services**