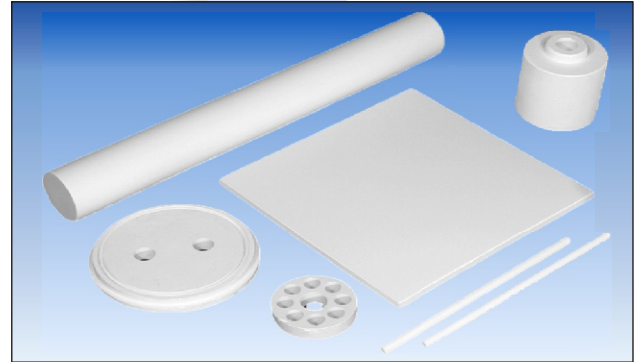


960 MACHINABLE ALUMINA

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.

Usable to 3000°F.

960 Machinable Alumina ceramic 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 are equivalent to standard high alumina ceramics.

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

Rescor 960 hardener is a clear ceramic impregnant which, cures at 600°F.

Use 960 hardener to harden and increases the wear resistance of the 960 surface, when required.

Rescor 961 is a fully dense, zero porosity, high strength Alumina. It is now available in tubes, rods, bars and for custom parts.

Physical Properties

Max Operating Temp (°F)	3000
Melting Point (°F)	3400
Compressive Strength (psi)	60,000
Flexural Strength (psi)	38,000
Thermal Expansion ($\times 10^{-6}/^{\circ}\text{F}$)	4.3
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 Conductivity (BTU in / Hr °F Ft ²)	32

Cat. No. Rod Stock Sizes

960-1	1/4" x 6"
960-3	1/2" x 12"
960-5	3/4" x 12"
960-7	1" x 12"
960-12	1.5" x 12"
960-9	2" x 12"
960-10	2.5" x 12"
960-11	3" x 12"
960-13	3.5" x 12"

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"
960K	Trial Kit
960H	Hardener Pint

Typical Tolerances are -0.005" to +0.030"