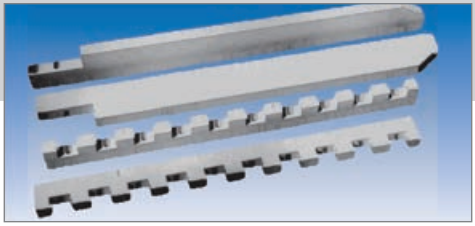
Machinable & Castable

Rescor®

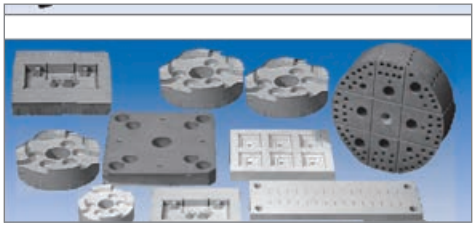
Overview



Rescor™ 902 Series

600ºC-1150ºC Machinable Alumina Silicate

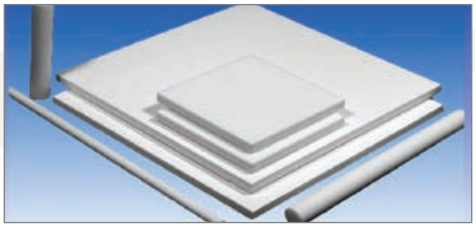
Provides excellent electrical, mechanical & thermal properties, is resistant to most acids, chemicals, solvents and has excellent thermal shock resistance. Can be turned, drilled & shaped to produce sharp, detailed parts. 600ºC or 1150ºC after heat treatment.



Rescor™ 914

425ºC Machinable Glass Ceramic

A dense and vacuum tight material that is easily machinable with standard workshop cutting tools, **914** combines high impact and mechanical strength, low thermal conductivity and superior electrical resistance.



Macor™ 915

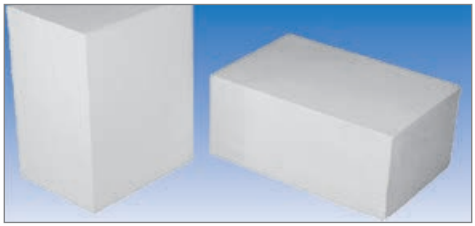
980ºC Glass Ceramic

A dense and vacuum tight glass ceramic composite with zero porosity, **915** can be readily ground, sawn, turned, tapped, milled and drilled, offering excellent electrical properties even at high frequencies. No heat treatment required.

Rescor™ 960 & 961

1650ºC Machinable Alumina

Provides the chemical, thermal and electrical properties of standard high purity alumina ceramics. **960** offers excellent chemical, thermal & electrical properties and can be machined with conventional workshop tooling. **961** offers high strength, zero porosity material with extreme wear resistance (requires special tooling for machining).



Rescor™ 310M & 311

1650ºC Machinable Ceramic Blocks

310M Ceramic foam is composed of over 99% pure Fused Silica ceramic and offers low thermal expansion and conductivity, high thermal shock resistance and high thermal reflectance. It is easily cut, sawn and drilled. **311** is a lower cost version where the fine grain structure of **310M** is not required.

Rescor™ 7XX Range

to 2200ºC Castable Ceramic

Choice of Alumina **740**, Silicone Carbide **750**, Zirconium Oxide **760**, Fused Silica **770** and Low density ceramic foam **780**. Offering resistance to high temperature, thermal shock, molten metals, oxidising, erosion, most acids and alkalies. Just mix and pour into any non-absorbent mould, leave to harden to produce highly detailed ceramics.