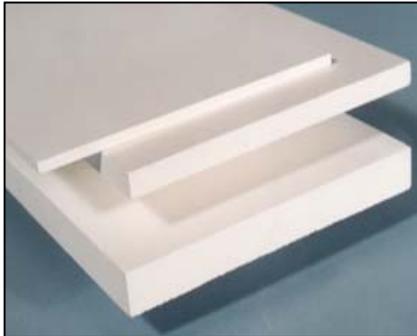




refractory composites

High Temperature Refractory Composites and Related Products for use as Thermal, Electrical and Structural Insulation.

PRODUCTS



Rigid Boards

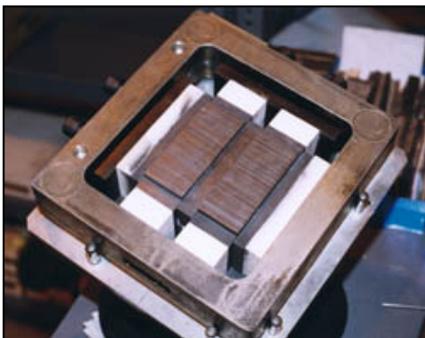


Rigid Cylinders



Moldables

APPLICATIONS



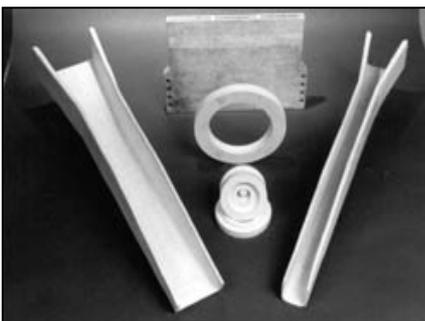
CB54 is an integral part of the production of pressed diamond segments. It is used as a separator to electrically and thermally insulate a metal ram of frame from a graphite pack. It will see in excess of 1000 °C + many thousands Kg compression without any surface deformation.



CB96 is used to protect a graphite shaft when immersed in molten Aluminium. CB96 will adhere to graphite And will not react or sublime. It is very easy to use



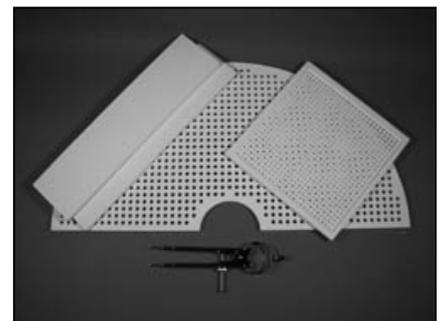
CB76 cylinders are ideal for induction forging applications. They are virtually Thermal shock proof. CB76 cylinders can be made in many sizes.



It is used in the glass industry as dead plates, set out plates, wear guides and pusher pads in hot glass handling



CB96 custom made Filter Box For Aluminium casting



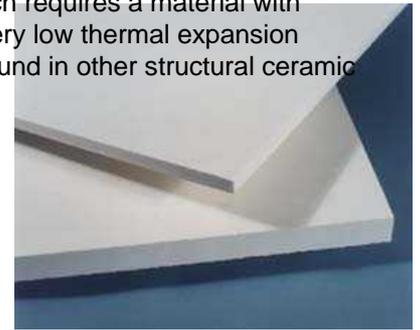
CB97 99% pure alumina, is idea for high vacuum, reducing atmospheres, and other applications where silica cannot be tolerated

CB54

CB54 is a low expansion, high strength reinforced silica matrix composite. Designed for use as a high strength insulator in induction hot press applications, it is ideal for any application, which requires a material with superior hot strength at temperatures as high as 1200°C (2192°F). CB54 is very low thermal expansion coefficient and high density combine to give it thermal shock resistance not found in other structural ceramic composite material

Other unique properties of CB54 are:

- A low thermal conductivity.
- An excellent electrical insulation.
- A high chemical purity.
- An excellent resistance to corrosion (from molten metal and glass)



CB96

CB96 Refractory Sheet Type Moldable is a high silica fiber reinforced ceramic composite material that is easily cut and formed into flat sheets in addition to a wide variety of simple and complex shapes. When dried CB96 Moldable becomes a hard rigid structure. Further heat treatment or exposure to process temperatures significantly increases the physical strength of this material.

Other unique properties of CB96 are:

- Low thermal conductivity.
- Excellent electrical insulation
- High chemical purity.
- Excellent resistance to corrosion (from molten metal and glass).

Suggest Applications:

- Induction coil liners.
- Glass furnace repairs.
- Hot flue linings.
- Hot press insulation.
- Hot face insulation where gas velocity is of concern.
- Casting table and trough liners



CB76

CB76 Refractory Sheet Type is a ceramic fiber reinforced structural alumina composite material with useful properties to 1260°C (2300°F). It has exceptional flexural and compressive strengths. Mechanical properties of Type CB76 sheet is an excellent replacement for rigid asbestos-containing products.

Its high Al₂O₃ content makes it highly resistant to many environments, including molten aluminum. It undergoes little or no outgassing on heating. It is not brittle and has high impact properties. Type CB76 may be cut and machined with standard tooling.

Suggest Applications:

- It is ideal for specialty furnace components such as bottom supports for quartz furnaces, furnace shells with element feed throughs and low temperature kiln and oven walls.
- It is used as Induction furnace components such as channel melter components, coil liners, coreless induction components, covers, tops, bases, front and back plates, coil supports, splash and coil shields.
- It is use in Non-ferrous metal handling as spouts, troughs, and casting tips
- It is the ideal material for use as electrical terminal blocks and electrical resistor grids.
- It is used for brazing separators and fixtures. The high Al₂O₃ content makes it resistant to sticking in many environments including molten metals.
- It is used in the glass industry as dead plates, set out plates, wear guides and pusher pads in hot glass handling



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