

CERAMIC FIBRES



- **Rope**



Ceramic Fiber Rope and Braid are manufactured from high temperature alumino-silicate based ceramic fiber combined with high temperature fiberglass reinforcement, with or without additional alloy wire insert. The product is white and odorless, suitable for high temperature applications up to 2300°F.

Twisted or braided texture with excellent handling strength, ideal compressibility and resilience, lightweight, low thermal conductivity, high temperature stability, low heat storage, thermal shock resistant, fire and flame proof, chemical resistant, compatible with most corrosive chemicals, commonly used acid and alkali (exceptions are hydrofluoric, phosphoric acids and concentrated alkalis). Ceramic Fiber Rope finds applications in many areas that include door seals or caulking for ovens, furnaces, stoves and boilers, expansion joints, cable or pipe wrapping, metal casting seal, high temperature seals or gaskets. These products have been widely used in welding, foundry works, aluminum and steel mills, boiler insulation and seal, exhaust systems, shipyards, refineries, power plants and chemical plants. Further, we offer customization of our product as per the client's demands.

Working Temperature : 1,800 °F. for Continuous Use, 2300 °F Maximum
Specific Heat (@2000°F): 0.27 Btu/lb °F
pH Range: 2-12

- **Blankets**





Ceramic Fiber Blanket is manufactured from spun ceramic fiber and is needed to provide exceptional handling strength for high-temperature insulation applications. Blanket is typically offered in three standard grades and all grades are lightweight, thermally efficient, exhibiting high temperature stability, excellent handling strength, chemical and corrosion resistance, providing excellent fire protection resulting in a material that has the advantage of low heat storage and complete resistance to thermal shock. Blankets are produced in varying dimensions, temperature ratings, and for different applications. Our office also supplies a Bio-Soluble blanket which is environmentally friendly. Ceramic Fiber Blanket manufactured from polycrystalline mullite wool (PCW) rated to a temperature of 3000°F (1649°C) is now stocked. This grade of Ceramic Fiber Blanket contains no binder, additives, or shot content. Material is RCF free and resistant to most corrosive agents in both oxidizing and reducing atmospheres. This material is highly specialized for the most demanding and extreme temperature requirements. Blanket made from high purity spun ceramic fiber, suitable for high temperature insulation up to 2300°F.

Fiber Diameter: 3 – 4.5 microns

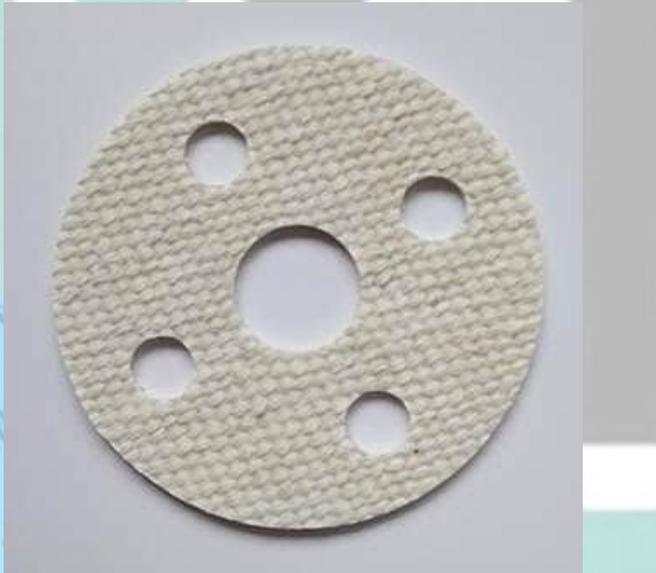
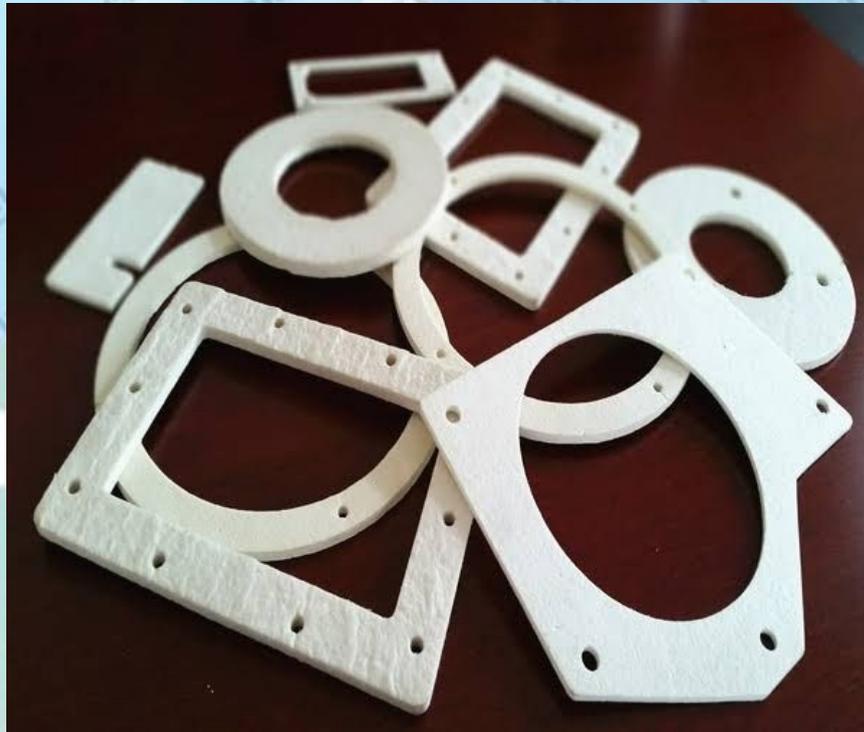
Fiber Shrinkage (1800°F, 3h): 3.5%

Working Temperature : 1,800 °F. for Continuous Use, 2300 °F Maximum

Specific Heat (@2000°F): 0.27 Btu/lb °F

Typical Applications include Lining, insulation and repair for furnaces, kilns, ovens, reformers, boilers, door linings and seals. Insulation for power plant, turbine, thermal reactor, generator, and nuclear applications. Expansion joint seal and insulation; Wrapping and insulation for high temperature pipe or metal casting; Fire protective insulation and lining. Other high temperature seals, gaskets, insulation or protection. If you don't see a specific blanket listed, please contact us directly and we will be happy to provide a custom quote.

- **Gaskets**



We offer a full line of material options and capabilities for forming custom ceramic fiber gaskets to fit your specific needs. Often used as high-temperature insulation for sensitive apparatus and in the containment of fuel, gas and small particles, the ceramic fiber gaskets offered by Excel Industrial Packings are ideal for use in industries such as oil and gas.

Appropriate when an inexpensive heat seal is required in an environment with low sealing pressures, ceramic fiber gasket material is soft, lightweight and resilient, and possesses superior thermal characteristics. Because it can be easily laminated to form thicker seals, flange finish is not crucial when using this material, providing additional flexibility when choosing a gasket. Excel Industrial Packings offers a wide range of shapes in the design of ceramic fiber gaskets, including rope, flat and Tadpole for temperatures up to 2300°F. Our Ceramic Fiber Gaskets Are Ideal for Diverse Applications.

- **Ring**



If you can't find what you are looking for, or require a bespoke product, please do not hesitate to contact us.

We will manufacture as per the specifications, drawing or sample provided by you .

Customer Service

We are happy to answer any questions that you might have about this product. Please contact us for more information.

Delivery / Shipping

Orders are processed as quickly as possible. Please allow a few days for delivery of your order.

International deliveries can be arranged for you. Additional shipping costs can be quoted on request.

Returns Policy

While every effort will be made to fulfil your order correctly, if for any reason you do not receive the correct goods then please contact us and we will be happy to correct your orders.

