

# CeFB

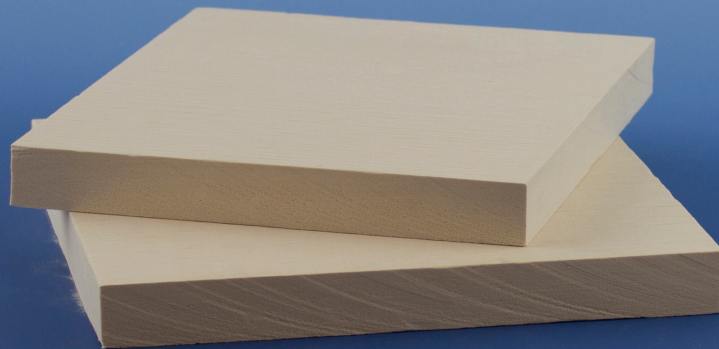
## Cerium Oxide Fiber Boards

The Only Source for Fibrous Ceria Products Made With the ZIRCAR Process

### Features

- 99+% Pure Cerium Oxide
- Vacuum Formed Fibrous Ceramic

The **Zircar** Fibrous Ceramics Advantage  
 Low Mass,  
 Low Heat Storage &  
 Low Thermoconductivity  
*means*  
 High Thermal Shock Resistance,  
 High Insulation Performance,  
 Higher System Efficiency &  
 Lower Energy Costs



### High Purity... Ceria Bonded... Ceria Fiber Material...

### Product Information

**Zircar** Cerium Oxide Fiber Boards have potential for use in a number of advanced energy applications such as redox flow batteries, resistive-type oxygen sensors and fuel cells. They are also a promising advanced material because of their utility as a catalyst in solar syngas reactors.

These rigid vacuum formed fiber boards are made using the same unique ZIRCAR process employed in the manufacturing of yttria stabilized zirconia fiber materials at our plant in Florida NY USA.

All of our Cerium Oxide materials contain no added organic binders and do not produce any smoke or odor when heated.

Cerium Oxide fiber boards can be produced in bulk densities ranging from ~45 to ~120 pounds per cubic foot.

For more information,  
 phone: (845) 651-3040  
 email: sales@zircarzirconia.com  
 website: www.zircarzirconia.com

### Properties & Characteristics

Properties (Nominal)	CeFB-72
Density, pcf	72
Flexural Strength, psi	900
Compressive Strength psi @ 10% Compression Normal to Fiber Plane	350
Linear Shrinkage %, 1 hour at 1650 °C (3002 °F)	2
Ceria Purity, %	99+

## Product Samples

### FREE SAMPLES

Call: 845-651-3040

email: [sales@zircarzirconia.com](mailto:sales@zircarzirconia.com)

Product Type	Item #
CeFB-72	SAMPLE-HB

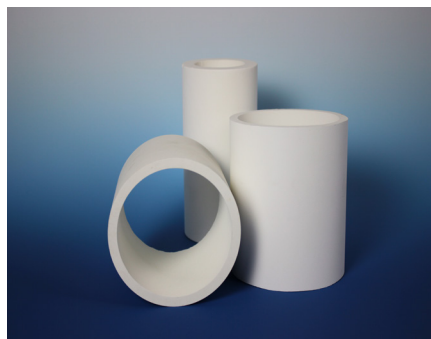
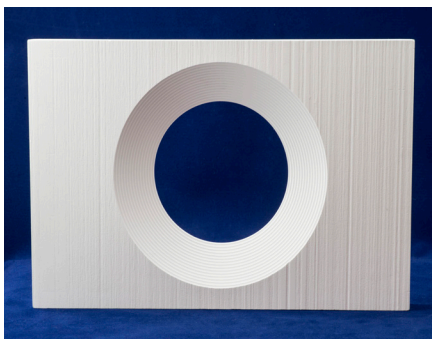
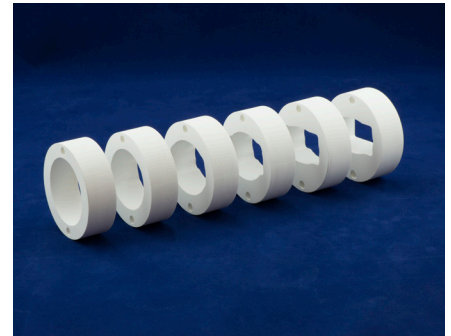
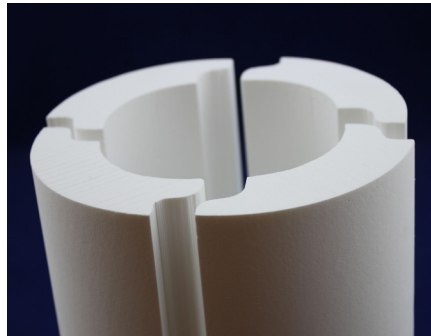


## Custom Design Quotations

Boards are custom made to customer size and density specification. Contact our sales department to discuss your unique application.

Zircar manufactures and machines custom fibrous insulation shapes to your design specifications. Our capabilities include:

- 3D CNC Machining
- Layered Configurations
- Lap Joined Boards and Cylinders
- Diamond Wire Splitting of Cylinders



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