

## CeP Ceria Pellets

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

### Features

- 99+% Pure Ceria
- 100% Inorganic
- Excellent Thermal Shock Resistance
- High Temperature Stability

### 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... Extremely High Use Temperatures... Oxygen Catalyst...**  
Fibrous ceria pellets can withstand temperatures to 2500 °C.

### Product Information

**Zircar** Ceria Pellets are fabricated by forming ceria fibers and sintering into a cylindrical or pellet shape. They were developed for research use as a thermochemical reaction medium for selectively generating syngas or methane from H<sub>2</sub>O and CO<sub>2</sub>. In this application the actual density of the pellets combined with their shape resulted in a bulk density inside a reactor tube that met the desired theoretical ideal mass of ceria in the reactor.

Different size and different density pellets can be produced. Contact our sales department to discuss your unique requirements.

### Properties & Characteristics

Properties (Nominal)	CeP
Size Density, lb/ft <sup>3</sup> (density of individual pellets)	115
Poured Density, lb/ft <sup>3</sup> (density of settled pellets in a tube)	68.5
Ceria Purity, %	99.8

For more information,  
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email: [sales@zircarzirconia.com](mailto:sales@zircarzirconia.com)  
website: [www.zircarzirconia.com](http://www.zircarzirconia.com)

## Product Samples

### FREE SAMPLES

Call: 845-651-3040

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

Product Type	Item #
CeP	SAMPLE-HP

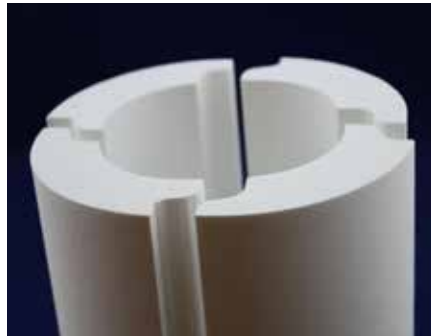


## Custom Design Quotations

Pellets 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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