

## Technical Data Sheet

# Hafnium Oxide Powder

<b>Product ID:</b>	720800PD001 / 720800PD002		
<b>Formular:</b>	HfO <sub>2</sub>	<b>Molecular weight:</b>	210.49 g/mol
<b>CAS No.:</b>	12055-23-1	<b>EINECS No.:</b>	235-013-2
<b>Color:</b>	White		
<b>Description:</b>	Our hafnium oxide powder has a purity of ≥99.9%, offers customizable particle sizes to meet specific requirements, and features a high melting point, excellent chemical stability, and outstanding dielectric properties.		
<b>Application:</b>	High-k dielectric materials, high-temperature coatings, optical films, nuclear industry, etc.		

### Product

#### Image:



## 1. Sizes

Product ID	Formular	Size
720800PD001	HfO <sub>2</sub> (99.9% (Zr< 2wt%))	-200 Mesh
720800PD002	HfO <sub>2</sub> (99.95% (Zr< 0.5wt%))	-200 Mesh
720800PD3NDZ	HfO <sub>2</sub> (99.9% (Zr< 2wt%))	Customized
720800PD3N5DZ	HfO <sub>2</sub> (99.95% (Zr< 0.5wt%))	Customized

## 2. Chemical compositions

Element Typical Value Purity	Metal Impurities (ppm)					
	Al	Ca	Fe	Mg	Na	Si
99.9% (Zr< 2wt%)	≤ 100	≤ 100	≤ 100	≤ 100	≤ 300	≤ 150
99.95% (Zr< 0.5wt%)	≤ 60	≤ 60	≤ 50	≤ 20	≤ 60	≤ 80

*Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.*

### **3. Packaging**

Bottle/Bag.

Double vacuum packed.

Customized packaging is available.

### **4. Period of Validity**

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

### **5. Handling and Storage**

When using, wear protective equipment, avoid inhaling dust, and operate in a well-ventilated environment.

Store in a sealed container in a dry, cool, and dark place, away from strong acids, bases, and flammable materials.

### **Contact Us**

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