

## Technical Data Sheet

# Hafnium Oxide Pellets

<b>Product ID:</b>	720800PL001 / 720800PL002		
<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 / Dark gray		
<b>Description:</b>	Our hafnium oxide pellets have a purity of 99.95% and can be customized in various sizes. They offer excellent chemical and thermal stability, making them suitable for high-performance thin-film deposition.		
<b>Application:</b>	Semiconductor devices, optical components, and high-k dielectric applications.		

**Product  
Image:**



### 1. Sizes

Product ID	Formular	Size	Color
720800PL001	HfO <sub>2</sub> (99.95% (Zr < 0.5wt%))	Ø 8 mm x 5 mm	White / Dark gray
720800PL002	HfO <sub>2</sub> (99.95% (Zr < 0.5wt%))	Ø 18 mm x 6 mm	White / Dark gray
720800PL3N5DZ	HfO <sub>2</sub> (99.95% (Zr < 0.5wt%))	Customized	White / Dark gray

### 2. Chemical compositions

Element Typical Value Purity	Metal Impurities (ppm)					
	Al	Ca	Fe	Mg	Si	Ti
99.95% (Zr < 0.5wt%)	≤ 60	≤ 15	≤ 180	≤ 20	≤ 120	≤ 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.

### **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 (such as gloves, goggles, and a dust mask) to avoid inhalation of dust or skin contact.

Stored in a dry, sealed, and contamination-free environment to prevent moisture absorption and surface degradation.

### **Contact Us**

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