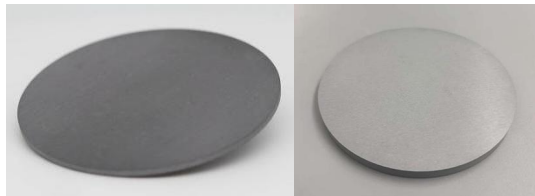


## Technical Data Sheet

# Hafnium Oxide Sputtering Target

<b>Product ID:</b>	720800ST001 - 720800ST003		
<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>	Dark gray / Grayish white		
<b>Description:</b>	Our hafnium oxide targets have a purity of 99.95% and can be customized in various sizes. They offer excellent chemical and thermal stability and enable dense, uniform coatings in thin-film deposition.		
<b>Application:</b>	Semiconductor fabrication, optical coatings, dielectric thin films, and advanced electronic devices.		

**Product  
Image:**



### 1. Sizes

Product ID	Formular	Size	Color
720800ST001	HfO <sub>2</sub> (99.95% (Zr < 0.5wt%))	Ø 76.2 mm x 3.175 mm	Dark gray / Grayish white
720800ST002	HfO <sub>2</sub> (99.95% (Zr < 0.5wt%))	Ø 76.2 mm x 6.35 mm	Dark gray / Grayish white
720800ST003	HfO <sub>2</sub> (99.95% (Zr < 0.5wt%))	Ø 101.6 mm x 6.35 mm	Dark gray / Grayish white
720800ST3N5DZ	HfO <sub>2</sub> (99.95% (Zr < 0.5wt%))	Customized	Dark gray / Grayish white

### 2. Chemical compositions

Element Typical Value Purity	Metal Impurities (ppm)					
	Fe	Mg	Zn	Sn	Ni	As
99.95% (Zr < 0.5wt%)	≤ 100	≤ 80	≤ 100	≤ 50	≤ 20	≤ 20

*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**

Carton/wooden box outer bag.

Double vacuum inner bag.

### **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 a dust mask, ensure proper ventilation, avoid skin/eye contact.

Stored in a dry, sealed and well-ventilated area, and follow proper procedures for disposal and cleaning to maintain material integrity and safety.

### **Contact Us**

Website: [www.vimaterial.de](http://www.vimaterial.de)

Email: [info@vimaterial.de](mailto:info@vimaterial.de)

Tel: 0049 1626484175

Address: Begener Straße 14., 30625 Hannover, Niedersachsen, Germany.