

Technical Data Sheet

Hafnium Oxide Granules

Product ID:	720800GN001 / 720800GN002		
Formular:	HfO ₂	Molecular weight:	210.49 g/mol
CAS No.:	12055-23-1	EINECS No.:	235-013-2
Color:	Gray-white / Dark gray		
Description:	Our hafnium oxide granules have a purity of ≥99.9% and can be customized in various sizes. They offer excellent chemical stability and thermal stability.		
Application:	Semiconductor manufacturing, optical coatings, high-k dielectric materials, and advanced ceramics.		

Product Image:



1. Sizes

Product ID	Formular	Size	Color
720800GN001	HfO ₂ (99.9% (Zr< 2wt%))	6 mm - 12 mm	Gray-white / Dark gray
720800GN002	HfO ₂ (99.95% (Zr< 0.5wt%))	1 mm - 3 mm	Gray-white / Dark gray
720800GN3NDZ	HfO ₂ (99.9% (Zr< 2wt%))	Customized	Gray-white / Dark gray
720800GN3N5DZ	HfO ₂ (99.95% (Zr< 0.5wt%))	Customized	Gray-white / Dark gray

2. Chemical compositions

Element Typical Value Purity	Metal Impurities (ppm)					
	Al	Ca	Fe	Mg	Si	Ti
99.9% (Zr< 2wt%)	≤ 100	≤ 50	≤ 500	≤ 50	≤ 150	≤ 100
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.

Store in a cool, dry place, away from moisture and other reactive materials.

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