

Technical Data Sheet

Zirconium Oxide Granules

Product ID: 400800GN001 - 400800GN004

Formular: ZrO_2

Molecular weight: 123.22 g/mol

CAS No.: 1314-23-4

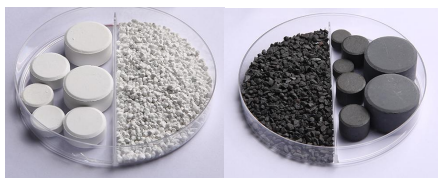
EINECS No.: 215-227-2

Color: White or black

Description: Our zirconia granules have a purity of $\geq 99.5\%$ and can be customized to higher purities and various sizes upon request, offering the advantages of high strength, high hardness, excellent heat resistance, and chemical corrosion resistance.

Application: Ceramics, electronics, refractory materials, catalysts, and biomedical applications.

**Product
Image:**



1. Sizes

Product ID	Formular	Size	Color
400800GN001	ZrO_2 (99.5% Zr+Hf)	1 mm - 4mm	White / Black
400800GN002	ZrO_2 (99.9% Zr+Hf)	3 mm - 12mm	White / Black
400800GN003	ZrO_2 (99.95% Zr+Hf)	1 mm - 4mm	White / Black
400800GN004	ZrO_2 (99.95% Zr+Hf)	3 mm - 6mm	White / Black
400800GN2N5DZ	ZrO_2 (99.5% Zr+Hf)	Customized	White / Black
400800GN3NDZ	ZrO_2 (99.9% Zr+Hf)	Customized	White / Black
400800GN3N5DZ	ZrO_2 (99.95% Zr+Hf)	Customized	White / Black

2. Chemical compositions

Element Typical Value Purity	Chemical Composition (ppm)		
	Fe ₂ O ₃	SiO ₂	TiO ₂
99.5% (Zr+Hf)	≤ 200	≤ 1000	≤ 150
99.9% (Zr+Hf)	≤ 100	≤ 600	≤ 100
99.95% (Zr+Hf)	≤ 50	≤ 400	≤ 50

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

Bottled/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 a dust mask to prevent dust inhalation and operate in a dry, well-ventilated environment.

Store in a cool, dry place, tightly sealed and away from incompatible substances.

Contact Us

Website: www.vimaterial.de

Email: info@vimaterial.de

Tel: 0049 1626484175

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