

Technical Data Sheet

Zirconium Oxide Pellets

Product ID:	400800PL001 - 400800PL003		
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 zirconium dioxide pellets typically have a purity of ≥99.5%, with customizable sizes. They can also be customized in white or black colors, featuring high hardness and excellent chemical corrosion resistance.		
Application:	Optical coatings, electronics industry, fuel cells, refractory materials, ceramic coatings, etc.		

Product**Image:**

1. Sizes

Product ID	Formular	Size	Color
400800PL001	ZrO ₂ (99.5% Zr+Hf)	Ø 13.5 mm x 8 mm	White / Black
400800PL002	ZrO ₂ (99.9% Zr+Hf)	Ø 18 mm x 12 mm	White / Black
400800PL003	ZrO ₂ (99.95% Zr+Hf)	Ø 17.5 mm x 8 mm	White / Black
400800PL2N5DZ	ZrO ₂ (99.5% Zr+Hf)	Customized	White / Black
400800PL3NDZ	ZrO ₂ (99.9% Zr+Hf)	Customized	White / Black
400800PL3N5DZ	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.

Store in a dry, cool place, away from moisture and chemicals that may cause degradation.

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