

Technical Data Sheet

Zirconium Oxide Sputtering Target

Product ID: 400800ST001 / 400800ST002

Formular: ZrO₂

Molecular weight: 123.22 g/mol

CAS No.: 1314-23-4

EINECS No.: 215-227-2

Color: White

Description: Our zirconia sputtering targets have a purity of 99.9% and can be customized to different sizes upon request, offering high density, excellent thermal stability, superior hardness, and chemical inertness.

Application: Thin-film deposition, electronics, optics, etc.

**Product
Image:**



1. Sizes

Product ID	Formular	Size
400800ST001	ZrO ₂ (99.9% Zr+Hf)	Ø 50.8 mm x 3.175 mm
400800ST002	ZrO ₂ (99.9% Zr+Hf)	Ø 101.6 mm x 6.35 mm
400800STDZ	ZrO ₂ (99.9% Zr+Hf)	Customized

2. Chemical compositions

Element Typical Value Purity	Chemical Composition (ppm)					
	Fe	Si	Ca	Mg	Al	Cu
99.9% (Zr+Hf)	≤ 300	≤ 150	≤ 50	≤ 100	≤ 100	≤ 100

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 inhalation or skin/eye contact.

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

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