

Technical Data Sheet

Zirconium Sputtering Target

Product ID: 4000ST001 - 4000ST007

Formular: Zr

Molecular weight: 91.22 g/mol

CAS No.: 7440-67-7

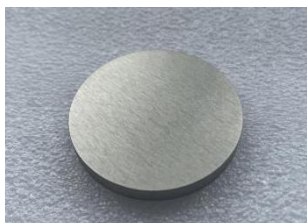
EINECS No.: 231-176-9

Color: Metallic-gray

Description: Our zirconium sputtering targets are available in 99.2% and 99.95% purity, with customizable purity levels and dimensions upon request. They feature excellent corrosion resistance, good physical properties, and a uniform microstructure.

Application: Decorative coatings, tool coatings, semiconductor, optical coatings, etc.

**Product
Image:**



1. Sizes

Product ID	Formular	Size
4000ST001	Zr (99.2%)	Ø 63 mm x 32 mm
4000ST002	Zr (99.2%)	Ø 100 mm x 40 mm
4000ST003	Zr (99.95%)	Ø 50.8 mm x 3.175 mm
4000ST004	Zr (99.95%)	Ø 50.8 mm x 6.35 mm
4000ST005	Zr (99.95%)	Ø 75 mm x 3 mm
4000ST006	Zr (99.95%)	Ø 125 mm x 3 mm
4000ST007	Zr (99.95%)	Ø 125 mm x 6 mm
4000ST2N2DZ	Zr (99.2%)	Customized
4000ST3N5DZ	Zr (99.95%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (wt%)					
	Hf	Fe	Cr	Al	Nb	Ti
99.2% (Hf+Zr)	≤ 4.5	≤ 0.20	≤ 0.05	≤ 0.01	≤ 0.01	≤ 0.02
99.95% (Hf+Zr)	≤ 0.5	≤ 0.02	≤ 0.01	≤ 0.05	≤ 0.05	≤ 0.05

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. Grain Size

≤150μm

4. Relative Density

99%

5. Packaging

Carton/wooden box outer bag.

Double vacuum inner bag.

6. 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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