

## Technical Data Sheet

# Zinc Oxide Sputtering Target

**Product ID:** 300800ST001 - 300800ST009

**Formular:** ZnO

**Molecular weight:** 81.39 g/mol

**CAS No.:** 1314-13-2

**EINECS No.:** 215-222-5

**Color:** Beige

**Description:** Our zinc oxide sputtering targets are available in purities of 99.9% and 99.95%, can be customized in size upon request, and offer excellent electrical and optical performance.

**Application:** Thin-film coatings, transparent conductive films, optoelectronic devices, solar cells, sensors, and electronic components.

**Product**

**Image:**



---

### 1. Sizes

Product ID	Formular	Size
300800ST001	ZnO (99.9%)	Ø 25.4 mm x 3.175 mm
300800ST002	ZnO (99.95%)	Ø 50.8 mm x 3.175 mm
300800ST003	ZnO (99.95%)	Ø 50.8 mm x 6.35 mm
300800ST004	ZnO (99.95%)	Ø 76.2 mm x 3.175 mm
300800ST005	ZnO (99.95%)	Ø 76.2 mm x 6.35 mm
300800ST006	ZnO (99.95%)	Ø 101.6 mm x 3.175 mm
300800ST007	ZnO (99.95%)	Ø 101.6 mm x 6.35 mm
300800ST008	ZnO (99.95%)	Ø 152.4 mm x 3.175 mm
300800ST009	ZnO (99.95%)	Ø 152.4 mm x 6.35 mm
300800ST2N5DZ	ZnO (99.5%)	Customized
300800ST4NDZ	ZnO (99.95%)	Customized

## 2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Mg	Cu	Mn	Cr	Ni	Na
99.5%	≤ 500	≤ 300	≤ 300	≤ 500	≤ 500	≤ 100
99.95%	≤ 50	≤ 50	≤ 20	≤ 50	≤ 50	≤ 20

*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 appropriate protective equipment to avoid dust inhalation or contact and operate in a well-ventilated area.

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

## Contact Us

Website: [www.vimaterial.de](http://www.vimaterial.de)

Email: [info@vimaterial.de](mailto:info@vimaterial.de)

Tel: 0049 1626484175

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