

## Technical Data Sheet

# Magnesium Oxide Sputtering Target

**Product ID:** 120800ST001 / 120800ST002

**Formular:** MgO

**Molecular weight:** 40.3 g/mol

**CAS No.:** 1309-48-4

**EINECS No.:** 215-171-9

**Color:** White

**Description:** Our magnesium oxide sputtering targets typically have a purity of ≥99.99% and can be customized to different sizes upon request. They feature excellent insulating properties, a high melting point, and good chemical stability.

**Application:** Optical coatings, semiconductor and electronic devices, magnetic storage materials, plasma display panels (PDP), electrical insulation coatings, etc.

**Product**

**Image:**



### 1. Sizes

Product ID	Formular	Size
120800ST001	MgO (99.99%)	Ø 50.8mm x 3.175mm
120800ST002	MgO (99.99%)	Ø 76.2mm x 3.175mm
120800STDZ	MgO (99.99%)	Customized

### 2. Chemical compositions

Element Typical Value Purity	Chemical Composition (ppm)								
	Si	Cd	Fe	Ca	Ni	Al	Cr	Mn	Zn
99.99%	≤ 30	≤ 5	≤ 25	≤ 20	≤ 30	≤ 10	≤ 10	≤ 15	≤ 10

*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 skin/eye contact.

Stored in a dry, sealed 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

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