

Technical Data Sheet

Nickel Oxide Sputtering Target

Product ID: 280800ST001 - 280800ST007

Formular: NiO

Molecular weight: 74.69 g/mol

CAS No.: 1313-99-1

EINECS No.: 215-215-7

Color: Green

Description: Our nickel oxide sputtering targets typically have a purity of $\geq 99.9\%$, with custom sizes available upon request. They offer excellent electrical properties, good chemical stability, and high-temperature resistance.

Application: Transparent conductive films, thin-film resistors and resistor films, bulk sensors and chemical sensors, etc.

Product

Image:



1. Sizes

Product ID	Formular	Size
280800ST001	NiO (99.9%)	Ø 50.8 mm x 3.175 mm
280800ST002	NiO (99.9%)	Ø 76.2 mm x 3.175 mm
280800ST003	NiO (99.9%)	Ø 75 mm x 4 mm
280800ST004	NiO (99.9%)	Ø 101.6 mm x 5 mm
280800ST005	NiO (99.9%)	Ø 203.2 mm x 6.35 mm
280800ST006	NiO (99.9%)	127 mm x 101 mm x 7mm
280800ST007	NiO (99.9%)	200 mm x 75 mm x 3.2mm
280800STDZ	NiO (99.9%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Cr	Mo	Cu	Sn	Pd	Na
99.9%	≤ 240	≤ 150	≤ 120	≤ 50	≤ 50	≤ 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

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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