HALBLEITER MATERIAL

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Technical Data Sheet

Nickel Sputtering Target

Product ID: **2800ST001 - 2800ST014**

Formula: Ni **Molecular weight:** 58.69 g/mol

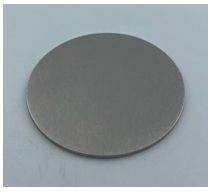
CAS No.: 7440-02-0 **EINECS No.:** 231-111-4

Color: Silver-gray

Description: Nickel sputtering targets offer good electrical conductivity, corrosion resistance, and stable sputtering performance for consistent thin-film deposition.

Application: Semiconductor devices, electronic components, magnetic thin films, optical coatings, etc.

Product Image:



1. Sizes

Product ID	Formula	Particle Size
2800ST001	Ni (99.5%)	Ø 25.4 mm x 0.5 mm
2800ST002	Ni (99.95%)	Ø 25.4 mm x 3.175 mm
2800ST003	Ni (99.99%)	Ø 50.8 mm x1 mm
2800ST004	Ni (99.999%)	Ø 50.8 mm x 3.175 mm
2800ST005	Ni (99.5%)	Ø 50.8 mm x 6.35 mm
2800ST006	Ni (99.95%)	Ø 76.2 mm x 3.175 mm
2800ST007	Ni (99.99%)	Ø 76.2 mm x 6.35 mm
2800ST008	Ni (99.95%)	Ø 101.6 mm x 3.175 mm
2800ST009	Ni (99.5%)	Ø 150 mm x 2 mm
2800ST010	Ni (99.99%)	Ø 152.4 mm x 3.175 mm
2800ST011	Ni (99.999%)	Ø 152.4 mm x 6.35 mm
2800ST012	Ni (99.5%)	300 mm x 100 mm x 4 mm
2800ST013	Ni (99.95%)	508 mm x 127 mm x 2 mm
2800ST014	Ni (99.999%)	508 mm x 127 mm x 2 mm
2800ST2N5DZ	Ni (99.5%)	Customized
2800ST3N5DZ	Ni (99.95%)	Customized
2800ST4NDZ	Ni (99.99%)	Customized
2800ST5NDZ	Ni (99.999%)	Customized

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2. Chemical compositions

	Metal impurities (ppm)						
Element / Typical Value / Purity	Al	Ti	Fe	Co	Nb	Ta	W
99.95%	≤ 20	≤ 20	≤ 150	≤ 200	≤ 20	≤ 20	≤ 20
99.99%	≤ 10	≤ 10	≤ 20	≤ 10	≤ 10	≤ 10	≤ 10
99.999%	≤ 0.1	≤ 0.5	≤ 5	≤ 1	≤ 0.05	≤ 2	≤ 0.05

	Metal impurities (ppm)			
Element / Typical Value / Purity	Fe	Cu	Si	Mn
99.5%	≤ 1000	≤ 600	≤ 1000	≤ 500

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.
Custom packaging is available.

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

Handle with clean gloves and suitable protective equipment to prevent contamination and avoid inhaling nickel-containing dust or particles.

Store in a dry, clean, and well-sealed environment to prevent oxidation, moisture exposure, and surface contamination.

Contact Us

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