HALBLEITER MATERIAL

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Technical Data Sheet

Nickel Rod

Product ID: 2800RD001 - 2800RD004
Formula: Ni
Molecular weight: 58.69 g/mol
CAS No.: 7440-02-0
EINECS No.: 231-111-4
Color: Silver-gray
Description: Nickel rods offer good corrosion resistance, thermal stability, and mechanical strength, making them suitable for demanding industrial applications.
Application: Alloy manufacturing, electrochemical research, laboratory experiments, etc.
Product Image:



1. Sizes

Product ID	Formula	Particle Size
2800RD001	Ni (99.5%)	Ø 10 mm x 100 mm
2800RD002	Ni (99.95%)	Ø 20 mm x 150 mm
2800RD003	Ni (99.99%)	Ø 10 mm x 100 mm
2800RD004	Ni (99.999%)	Ø 20 mm x 150 mm
2800RD2N5DZ	Ni (99.5%)	Customized
2800RD3N5DZ	Ni (99.95%)	Customized
2800RD4NDZ	Ni (99.99%)	Customized
2800RD5NDZ	Ni (99.999%)	Customized

2. Chemical compositions

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

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	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

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

Each rod is individually separated with scratch-resistant soft materials (such as foam or EPE).

The outer layer is sealed in a moisture-proof or vacuum bag.

Then placed in a foam-filled carton or wooden box.

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 tools to prevent surface contamination and avoid generating or inhaling nickel dust during cutting or machining.

Store in a clean, dry environment away from moisture and corrosive substances to maintain surface quality and prevent contamination.

Contact Us

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