



Professional Factory N4/N6/Ni200/Ni201 Pure Nickel Wire For Vacuum Electronics

Our Product Introduction

for more products please visit us on victory-alloy.com

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: ISO9001,ROHS
- Model Number: N4,N6,Ni200,Ni201
- Minimum Order Quantity: 1KG
- Price: \$20-\$300/kg
- Packaging Details: Spool package with Carton box, Coil package with polybag,
- Delivery Time: 7-25 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



Product Specification

- Product Name: Pure Nickel Wire
- Grade: N4,N6,Ni200,Ni201
- Material: Ni
- Elongation (\geq %): 35%
- Ni(min): 99%
- Shape: Wire
- Size: 0.025-10mm
- Ultimate Strength (\geq MPa): 462
- Resistance ($\mu\Omega\cdot m$): 15
- Tensile Strength Ksi (min): 462
- Melting Point: 1435-1446°C
- Hardness: S, 1/4H, 1/2H, 3/4H, H
- Application: Industry, Electronic
- M.O.Q: 1KG
- Delivery: 7-25 Days



More Images



Our Product Introduction

Product Description



PURE NICKEL WIRE

N4,N6,Ni200.Ni201

Customized service available

Dimension:

Size dimension range:

Wire: 0.01-10mm

Ribbons: 0.05*0.2-2.0*6.0mm

Strip: 0.05*5.0-5.0*250mm

Bar:10-50mm

Nickel 200 nickel wire 0.025 mm dia

It has good mechanical strength,corrosion-resistant and heat-resistance strength.

It is widely used in electric apparatus,chemical machinery,ood processing equipment,rechargeable batteriescomputers, cellular

Phone, power tools, camcorders and so on.

Features:

1. Low resistance, make the battery pack more powerful, save energy.
2. Pure Nickel to make it easy welding, stable connection
3. Dood tensile and easy operate assembly.
4. shaped design, save too much work for customer to assembly battery pack.
5. High Electrical Conductivity
6. Anti-corrosive and low resistance

Physical properties:

- 1.Spot welding is good
- 2.The resistance is lower
3. Battery discharge time longer
4. The battery spot welding is stronger.

Functions/Applications:

1. manufacturing nickel-cadmium battery
2. nickel-hydrogen battery
3. lithium cell
4. assembled battery
5. industries of electric tool and special lights
6. Superconductor Applications

Specification

Grade	Ni+Co	Cu	Si	Mn	C	Mg	S	P	Fe
N4	99.8	0.015	0.03	0.002	0.01	0.01	0.001	0.001	0.04
N6	99.6	0.10	0.10	0.05	0.10	0.10	0.005	0.002	0.10
Ni201	≥99.0	≤0.25	≤0.35	≤0.35	≤0.02	/	≤0.01	/	≤0.40
Ni200	≥99.2	≤0.25	≤0.35	≤0.35	≤0.15	/	≤0.01	/	≤0.40

Physical Data	
Density	8.89g/cm3
Specific Heat	0.109(456 J/kg.°C)
Electrical Resistivity	0.096×10-6ohm.m
Melting Point	1435-1446°C
Thermal Conductivity	70.2 W/m-K
Mean Coeff Thermal Expansion	13.3×10-6m/m.°C
Typical Mechanical Properties	
Mechanical Properties	Nickel 200

Tensile Strength		462 Mpa		
Yield Strength		148 Mpa		
Elongation		47%		
Our Production Standard				
	Bar	Forging	Pipe	Sheet/Strip
ASTM	ASTM B160	ASTM B564	ASTM B161/B163/B725/B751	AMS B162

Product Details

High-quality materials and surface treatment technology



Metallic Luster



Smooth Edges



Product Comparison

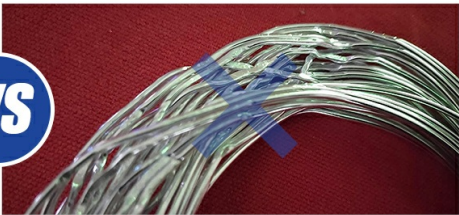
The quality of our products has been strictly tested and guaranteed



OTHERS



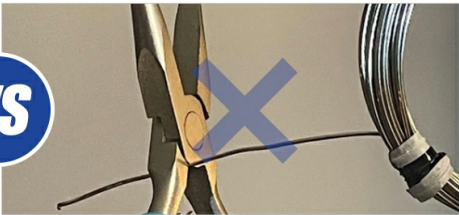
Smooth Edges



Uneven Edges



Product Quality Strict Inspection



Product Quality Is Not Up To Standard

Application Field

Pure nickel wires are widely used in many fields

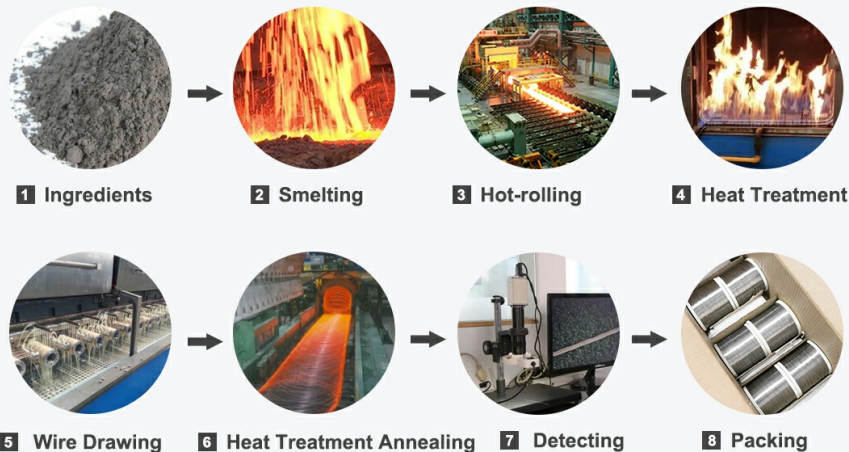


Pure nickel wire finds widespread applications in various fields. Here are some common areas of application:

1. Resistance heaters: Pure nickel wire possesses excellent resistance properties and is extensively used in the manufacturing of resistance heaters and heating elements, such as air furnaces, heating coils, and heaters.
2. Electronic components: Pure nickel wire is widely used in the field of electronic components, including resistors, inductors, and electronic circuitry interconnects.
3. Chemical industry: Due to its corrosion resistance and high-temperature performance, pure nickel wire is applied in the chemical industry for corrosion-resistant equipment, reactors, pipelines, and other components.
4. Petroleum and petrochemical industry: Pure nickel wire is utilized in the manufacturing of corrosion-resistant equipment and pipelines for the petroleum and petrochemical industry, including petrochemical plants, pipeline connections, and storage tanks.
5. Aerospace industry: Pure nickel wire finds extensive use in the aerospace field for manufacturing high-temperature and high-strength components such as engine parts, combustion chambers, nozzles, and turbine blades.
6. Other industries: Pure nickel wire also finds applications in the power industry, electronics and electrical engineering, and nuclear energy industry, used for manufacturing cables, electromagnetic coils, and electric heating devices.

Product Process

The production process and technology used in the product





Product Comparison

The quality of our products has been strictly tested and guaranteed



OEM Services

We can provide customized services for customers

Product Customization

Size:0.025-10mm

We can customize pure nickel wire of different size for customers.



Label Customization



We can provide label customization service for customers' products.

Packaging Customization

We can customize different packaging methods for customers.



OEM Services

We offer personalized customization services for both products and labels to meet the specific needs of our customers. We can provide products with different thicknesses and widths according to the customer's requirements. Whatever kind of customization service our customers need, we will do our best to meet their demands and ensure customer satisfaction.

PRODUCT

Recommended Products

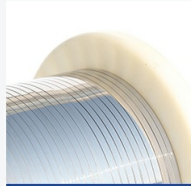
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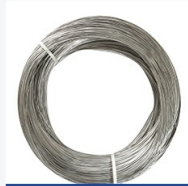
Nickel Bar



Nickel Tube



NiCr Wire



Inconel Wire



Nickel Welding Wire



Nickel Strip



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