



High Purity Pure Nickel Wire 0.5mm 0.6mm 0.7mm 0.8mm Nickel Wire Prices

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: ISO9001,ROHS
- Model Number: N4,N6,Ni200,Ni201
- Minimum Order Quantity: 1KG
- Price: 5 - 99 kilograms US\$45.00
- 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

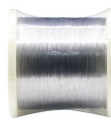


Product Specification

- 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
- Melting Point: 1435-1446°C
- Tensile Strength Ksi (min): 462
- 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

A significant feature of Pure Nickel Wire is its low-temperature coefficient. Its resistivity changes less at low temperatures, making it an important component in the manufacturing of low-temperature resistors and superconducting materials. In addition, Pure Nickel Wire also has good ductility and plasticity, which can be easily processed into various shapes and sizes of wire, wire, and foil. This processability enables Pure Nickel Wire to be widely used in fields such as electronics, electrical, and heat treatment.

Pure Nickel Wire is widely used in multiple industries. In the field of electronics, it is commonly used to manufacture resistance wires, electronic components, and thermocouples. In the chemical industry, Pure Nickel Wire is widely used in the manufacturing of corrosion-resistant equipment, catalysts, and electrolytic cells. In addition, it is widely used in the fields of aerospace, shipbuilding, automotive, and energy, for manufacturing key components such as high-temperature alloys, battery components, heating elements, and heat exchangers.

Specification

Grade	Ni+Co	Cu	Si	Mn	C	Mg	S	P	Fe
N4	99.9	≤0.015	≤0.03	≤0.002	≤0.01	≤0.01	≤0.001	≤0.001	≤0.04
N6	99.5	0.10	0.10	0.05	0.10	0.10	0.005	0.002	0.10
Ni201	≥99.9	≤0.25	≤0.35	≤0.35	≤0.02	/	≤0.01	/	≤0.40
Ni200	≥99.6	≤0.25	≤0.35	≤0.35	≤0.15	/	≤0.01	/	≤0.40

Physical Data

Density	8.89g/cm ³
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%



Shape	Size(mm)
Wire	0.025-10
Ribbon	(0.05-0.2)*(0.5-6)
Strip	(0.05-0.5)*(5-200)



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