



N6 Pure Nickel Wire Ni200 201 Nickel Wire 0.025mm

Our Product Introduction

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



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Product Description

Introduction:

1. Pure nickel wire with a diameter of 0.025mm is a fine wire made from highly pure nickel metal. It offers the same exceptional properties as other pure nickel wire but in a more delicate form.
2. With its high corrosion resistance, this ultra-fine pure nickel wire is ideal for applications that require precise and intricate components. It can be used in industries such as electronics, medical devices, and precision instrumentation.
3. The thin diameter of 0.025mm allows for greater flexibility and versatility in design and manufacturing processes. It can be easily formed, shaped, and woven into intricate patterns or used as a heating element in miniature devices.

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 ⁻⁶ ohm.m
Melting Point	1435-1446°C
Thermal Conductivity	70.2 W/m-K
Mean Coeff Thermal Expansion	13.3×10 ⁻⁶ m/m.°C
Typical Mechanical Properties	
Mechanical Properties	Nickel 200
Tensile Strength	462 Mpa
Yield Strength	148 Mpa
Elongation	47%

Application:

1. **Electronics:** The ultra-fine pure nickel wire is used in electronics for applications such as microelectronics, circuitry, and miniature sensors. It is often used as a conductor for electrical connections in compact electronic devices.
2. **Medical Devices:** The thin pure nickel wire is utilized in medical devices, including catheters, pacemakers, and neurostimulation devices. It can be used as a component in medical leads and electrodes due to its biocompatibility and electrical conductivity.
3. **Precision Instrumentation:** Pure nickel wire of this size is employed in precision instrumentation, including analytical instruments, scientific equipment, and testing devices. It can be used for delicate wire-wound resistors or as a heating element in small, precise sensors.



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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