



Precision Nickel Wire High Purity 99.99% Nickel 200 Nickel Wire

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 is a versatile and highly reliable material that finds extensive applications across various industries.
2. Composed of highly pure nickel metal, it possesses a unique set of properties that make it indispensable in numerous applications.
3. One of the key characteristics of pure nickel wire is its exceptional corrosion resistance. It can withstand harsh environments and corrosive substances, making it highly durable and suitable for applications where protection against corrosion is critical.
4. Pure nickel wire exhibits excellent electrical conductivity, allowing for efficient transmission of electricity in various electronic devices and circuits.
5. Its high thermal conductivity also enables effective heat transfer, making it suitable for heating applications such as electric furnaces and industrial heaters.

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%

Applications:

1. **Medical Devices:** Pure nickel wire is employed in medical devices and equipment such as pacemakers, implants, and surgical instruments. Its biocompatibility, electrical conductivity, and durability make it suitable for applications like medical leads, electrodes, and neurostimulation devices.
2. **Jewelry and Crafts:** Pure nickel wire is utilized in jewelry making and craft projects due to its malleability, ductility, and corrosion resistance. It is often used for wire wrapping, beadwork, and creating intricate designs.
3. **Research and Development:** Pure nickel wire is used in research laboratories and development projects for various purposes. It can be utilized in experiments, prototypes, and specialized equipment where its unique properties are required.
4. These are just a few examples of the diverse applications of pure nickel wire. Its unique combination of properties makes it a valuable material in industries ranging from electronics and aerospace to chemical processing and healthcare.



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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