



Np2 Np1 Fil De Pure Nickel Wire 0.025mm In Electric Apparatus

Our Product Introduction

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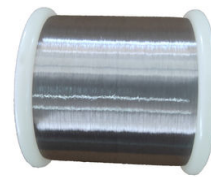
Basic Information

- 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

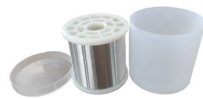


Product Specification

- Product Name: Pure Nickel Wire
- Grade: N4,N6,Ni200,Ni201
- Material: Ni
- Elongation (≥ %): 35%
- Ni(min): 99%
- Shape: Wire
- Size: 0.025-10mm
- Ultimate Strength (≥ MPa): 462
- Resistance (μΩ.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

Pure nickel wire is a wire-shaped product made of high-purity nickel material with excellent performance characteristics. It not only has excellent corrosion resistance and high temperature stability, but also has good electrical conductivity and mechanical strength. Therefore, pure nickel wire is widely used in many fields such as electronics, electrical, heating, automobile, chemical and medical. Manufacturers can customize the specifications and characteristics of pure nickel wire according to customer requirements to meet the needs of various applications.

The corrosion resistance of pure nickel wire makes it perform well in corrosive media, such as acidic and alkaline solutions, salt water and chemical gases. It can be used for a long time in these harsh environments without damage.

The high temperature stability of pure nickel wire allows it to operate in high temperature environments such as furnace heating elements, high temperature sensors and gas turbine applications. It can withstand deformation and creep at high temperatures, maintaining its performance and shape stability.

Pure nickel wire has excellent electrical conductivity and can effectively conduct current, playing a key role in electronic components and circuits.

In addition, pure nickel wire also has good mechanical strength and can withstand certain stretching and deformation, making it suitable for various mechanical applications.

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/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%

Our Production Standard

	Bar	Forging	Pipe	Sheet/Strip
ASTM	ASTM B160	ASTM B564	ASTM B161/B163/B725/B751	AMS B162



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