



Pure Nickel Wire 0.05mm 99.6% Nickel Wire For Vacuum Electronics

Our Product Introduction

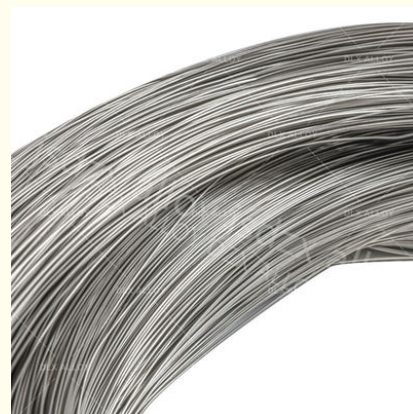
Basic Information

- 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



More Images



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Product Description

Introduction:

1. Pure nickel wire is a type of wire made from highly pure nickel metal. It is known for its exceptional corrosion resistance and high temperature stability. This makes it an ideal choice for applications in industries such as aerospace, power generation, and petrochemicals.
2. Additionally, pure nickel wire exhibits good electrical conductivity and high thermal conductivity, making it suitable for use in various electronic and heating applications.
3. Its versatility and reliability make it a valuable material in numerous technological and industrial settings.

Parameter:

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

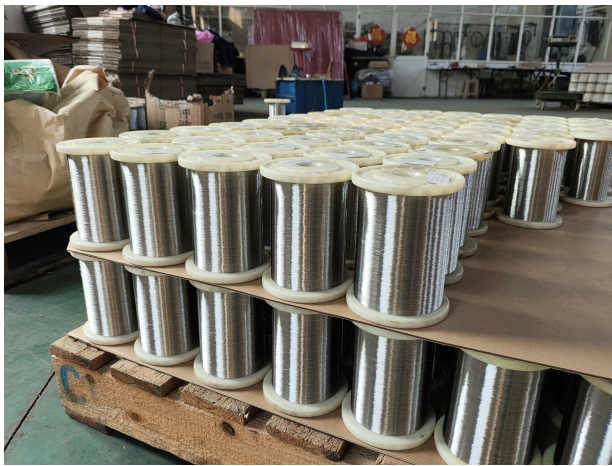
Physical Data	
Density	8.89g/cm ³
Specific Heat	0.109(456 J/kg.°C)
Electrical Resistivity	0.096×10 ⁻⁶ ohm.m
Melting Point	1435-1446°C
Thermal Conductivity	70.2 W/m-K
Mean Coeff Thermal Expansion	13.3×10 ⁻⁶ m/m.°C
Typical Mechanical Properties	
Mechanical Properties	Nickel 200
Tensile Strength	462 Mpa
Yield Strength	148 Mpa
Elongation	47%

Features of pure nickel wire:

1. **Corrosion resistance:** Pure nickel wire exhibits excellent resistance to corrosion, making it highly durable in corrosive environments.
2. **High temperature stability:** Pure nickel wire maintains its physical and chemical properties even at high temperatures, making it suitable for use in extreme heat conditions.
3. **Electrical and thermal conductivity:** Pure nickel wire has good electrical conductivity and high thermal conductivity, making it ideal for applications that require efficient transmission of electricity or heat.



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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