

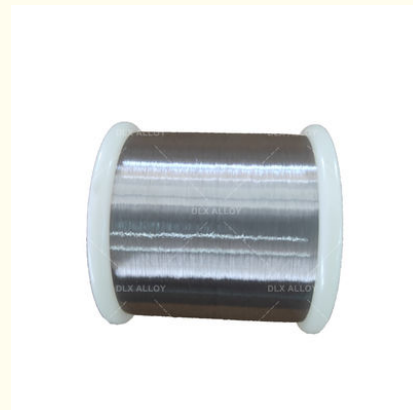


Pure Nickel Wire Ni200 Nickel Wire 0.025 mm 99.96% Pure Nickle Wire

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



More Images



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Product Description

Introduction:

1. This ultra-fine pure nickel wire maintains excellent electrical conductivity and high thermal conductivity, making it suitable for applications that require efficient transmission of electricity or heat in confined spaces.
2. The 0.025mm pure nickel wire combines the exceptional properties of pure nickel with the advantages of a fine and delicate form, making it a valuable material for various high-precision applications.

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

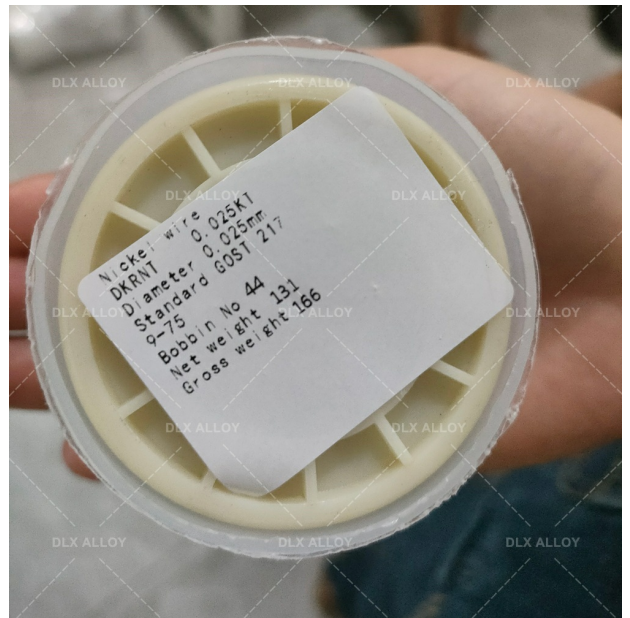
Physical Data	
Density	8.89g/cm ³
Specific Heat	0.109(456 J/kg.°C)
Electrical Resistivity	0.096×10 ⁻⁶ ohm.m
Melting Point	1435-1446°C
Thermal Conductivity	70.2 W/m-K
Mean Coeff Thermal Expansion	13.3×10 ⁻⁶ m/m.°C
Typical Mechanical Properties	
Mechanical Properties	Nickel 200
Tensile Strength	462 Mpa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

Application:

1. Aerospace and Aviation: The ultra-fine pure nickel wire is utilized in aerospace and aviation applications, such as temperature sensors, strain gauges, and control systems. Its high temperature stability and corrosion resistance make it suitable for demanding environments.
2. Jewelry and Craftsmanship: Due to its fine diameter, pure nickel wire can be used in intricate jewelry designs, wire wrapping, and craft projects. It offers a combination of malleability and durability for creating delicate wirework.
3. Its fine size and exceptional properties make it a valuable material in industries that require precision, reliability, and corrosion resistance in compact and delicate components.



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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