



Ni200 Ni201 Pure Nickel Rod Nickel Chrome Alloy Round Bar For Medical Instruments

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: Ni200 Ni201
- Minimum Order Quantity: 5 Kg
- Price: Negotiable
- Packaging Details: Plastic film or waterproof woven bag inside, wire packed in spool put into carton,coil wire or strip wire put into wooden case
- Delivery Time: 7 to 20 Days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month

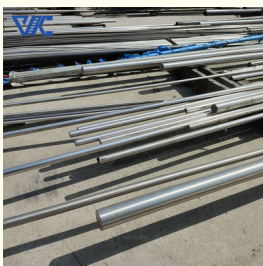


Product Specification

- Name: Pure Nickel Bar
- Grade Type: N4, N6, Ni200, Ni201
- Material: Ni
- Ni(min): 99%
- Melting Point: 1435-1446°C
- Elongation (≥ %): 35%
- Ultimate Strength (≥ MPa): 462
- Application: Orthopedic Implants, Cardiovascular Stents
- Density(g/cm3): 8.89 G/cm³
- Surface: Bright,Oxided
- Advantage: Corrosion-resistant,Good Strength
- Highlight: Ni200 Pure Nickel Rod, Ni201 Pure Nickel Rod,



More Images



Product Description

Product Description:

Pure nickel rod is one of the key materials commonly used in the field of medical devices. It is made from high-purity nickel and has excellent chemical stability and biocompatibility.

Medical devices have very strict requirements on materials, which require good biocompatibility, corrosion resistance and mechanical properties. Pure nickel rods meet these requirements.

Pure nickel rods have excellent biocompatibility and are compatible with human tissues and are not likely to cause allergies or rejection reactions. Therefore, it is widely used in fields such as implants, prostheses, and orthopedic devices in medical devices.

In addition, pure nickel rods have good corrosion resistance and can work stably for a long time in a body fluid environment. It resists corrosion and oxidation of body fluids, ensuring the long-term reliability and safety of medical devices.

Pure nickel rod also has good mechanical properties, including moderate strength and toughness. This enables it to meet the mechanical requirements found in medical devices such as surgical tools, stents and clamps.

Features:

Biocompatibility: Pure nickel rods have good biocompatibility and are compatible with human tissues to reduce adverse reactions to the human body.

Corrosion resistance: Pure nickel rods have good corrosion resistance to body fluids and biological fluids, and can operate stably for a long time in the body environment.

Strength and toughness: Pure nickel rods have high mechanical strength and toughness and are suitable for use in manufacturing key components of medical devices.

Parameter:

Technical Parameters:

Grade	Chemical Composition(%)								
	Ni+Co	Cu	Si	Mn	C	Mg	S	P	Fe
N4/201	99.9	≤0.015	≤0.03	≤0.002	≤0.01	≤0.01	≤0.001	≤0.001	≤0.04
N6/200	99.5	0.1	0.1	0.05	0.1	0.1	0.005	0.002	0.1

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	Wire
ASTM	ASTM B160	ASTM B564	ASTM B161/B163/B725/B751	AMS B162	ASTM B166

For more details, pls directly contact us.

contact us

email:victory@dlx-alloy.com

Oem service:

Welcome customized size

We are experience factory for OEM&ODM service

Specific applications:

Orthopedic implants: Pure nickel rods can be used to make orthopedic implants, such as bone nails, bone plates, etc., for fracture repair and bone defect repair.

Cardiovascular stents: Pure nickel rods can be used to manufacture cardiovascular stents for the treatment of vascular diseases and vascular reconstruction.

Medical detection devices: Pure nickel rods can be used to manufacture medical detection devices, such as coils in magnetic resonance imaging (MRI), for medical imaging diagnosis and research.



FAQ:

What are the main advantages of pure nickel rods in medical devices?

Advantages include good biocompatibility, corrosion resistance and mechanical strength, making pure nickel rods suitable for use in the manufacture of medical devices, reducing adverse reactions to the human body and providing reliable performance.

What are the applications of pure nickel rods in orthopedic implants?

Pure nickel rods can be used to manufacture orthopedic implants, such as bone nails and bone plates, for fracture repair and bone defect repair, providing structural support and bone stability.

What are the specific applications of pure nickel rods in medical detection devices?

Pure nickel rods can be used to manufacture medical detection devices, such as MRI coils, for medical imaging diagnosis and research. Its good electrical conductivity and corrosion resistance make it an ideal material for the manufacture of medical detection devices.



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