



Pure Nickel Bar Ni200 201 Round Bar For Oil And Gas Industry

Our Product Introduction

for more products please visit us on victory-alloy.com

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: Downhole Tools, Valves And Pipe Connections
- Density(g/cm³): 8.89 G/cm³
- Surface: Bright,Oxided
- Advantage: Corrosion-resistant,Good Strength



More Images



Product Description

Product Description:

Pure nickel rod is one of the key materials widely used in the oil and gas industry. It is made from high-purity nickel for excellent chemical stability and corrosion resistance.

The processes in the oil and gas industry often face harsh conditions such as high temperature, high pressure and corrosion, which place extremely high requirements on materials. Pure nickel rods provide excellent corrosion resistance in these harsh environments. It can resist the erosion of acidic media, high temperature oxidation and corrosion, so it is widely used in key equipment such as pipelines, valves and containers in the oil and gas industry.

Pure nickel rods also have good high temperature properties. It can maintain stable performance in high temperature environments and is not prone to deformation and melting. This makes pure nickel rod ideal for high-temperature applications in the oil and gas industry, such as refinery units, cracking furnaces and catalytic reactors.

In addition, pure nickel rods also have good mechanical properties, including strength and toughness. This enables it to withstand the mechanical stresses and loads found in the oil and gas industry, making it suitable for the manufacture of critical components such as connections, support structures and downhole equipment.

Features:

Corrosion resistance: Pure nickel rods have good corrosion resistance against corrosive media in the oil and gas industry and can be used in harsh environments for a long time.

High-temperature stability: Pure nickel rods have excellent high-temperature stability and can maintain structural integrity and performance under high-temperature conditions, making them suitable for high-temperature oil and gas environments.

High Strength: Pure nickel rods have high mechanical strength and are able to withstand the high pressure and high load conditions found in the oil and gas industry.

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/cm3
Specific Heat	0.109(456 J/kg.°C)
Electrical Resistivity	0.096×10-6ohm.m
Melting Point	1435-1446°C
Thermal Conductivity	70.2 W/m-K
Mean Coeff Thermal Expansion	13.3×10-6m/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:

Downhole tools: Pure nickel rods can be used to make downhole tools, such as oil well pipes, pump rods, etc., for the extraction and transportation of oil and natural gas.

Valves and Pipe Connections: Pure nickel rods can be used to manufacture valves and pipe connections to ensure reliability and durability in high pressure and corrosive environments.

Petrochemical equipment: Pure nickel rods can be used in the manufacture of petrochemical equipment, such as reactors, heat exchangers, etc., to meet the requirements of high temperature and corrosive media.



FAQ:

What are the main advantages of pure nickel rod in the oil and gas industry?

The main advantages of pure nickel rod include corrosion resistance, high temperature stability and high strength, making it an ideal material for use in the oil and gas industry.

What are the applications of pure nickel rods in oil mining?

Pure nickel rods can be used to manufacture oil well pipes, pump rods and other downhole tools for oil extraction and transportation, and can withstand high pressure and corrosive media.

What are the specific applications of pure nickel rods in petrochemical equipment?

Pure nickel rods can be used to manufacture petrochemical equipment, such as reactors and heat exchangers, to meet the requirements of high temperature and corrosive media and ensure the reliability and durability of the equipment.



Changzhou Victory Technology Co., Ltd



+8619906119641



victory@dlx-alloy.com



victory-alloy.com

