



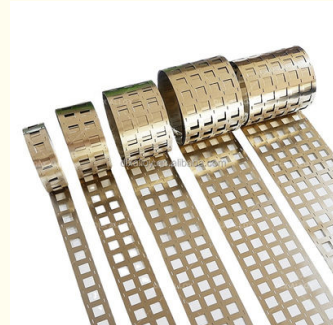
Ni200 Pure Nickel Strip And Nickel Foil For Battery

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: ISO,TUV, RoHS
- Model Number: N4,N6,Ni200,Ni201
- Minimum Order Quantity: 2kg
- Price: 1 - 49 kilograms US\$35.00
- Packaging Details: Spool package with Carton box, Coil package with polybag,
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



Product Specification

- Product Name: Pure Nickel Strip
- Grade: N4,N6,Ni200,Ni201
- Metal: Nickel
- Ni(min): 99.5%
- Resistance ($\mu\Omega\cdot m$): 1.5
- Ultimate Strength (\geq MPa): 462
- Elongation (\geq %): 45
- Surface: Bright
- Density (g/cm³): 8.9 G/cm³
- Resistivity: 1.35 \pm 0.07
- Melting Point($^{\circ}$ C): 1435-1446 $^{\circ}$ C
- Application: Chemical Industry Battery Assembly
- M.O.Q: 2KG
- Highlight: **Ni200 Pure Nickel Strip, Battery 99.5% Nickel Foil,**



More Images



Product Description

Introduction:

Pure nickel strip is a thin strip of material made of pure nickel metal. It has many excellent properties and a wide

Our Product Introduction

range of applications.

First of all, pure nickel belt has excellent corrosion resistance and can resist the erosion of various chemical media, making it one of the important materials in the chemical industry. Secondly, pure nickel strips have good thermal conductivity and can conduct heat efficiently, so they are widely used in heating elements, radiators, heat exchangers and other fields. In addition, pure nickel tape also has good magnetic properties and can be used to manufacture magnetic components, sensors, motors, etc. In battery manufacturing, pure nickel strips are often used to make key components such as positive and negative plates and connectors of batteries. In addition, pure nickel strips also have good weldability, corrosion resistance, flexibility and oxidation resistance, making them widely used in many fields, including chemical industry, marine, petroleum and electronics. In short, pure nickel strip has become one of the indispensable and important materials in modern industry with its many excellent properties and diverse application fields.



Applications:

Pure nickel ribbon has the following applications in the energy field:

1. Fuel cells: Pure nickel ribbons can be used as electrode materials for fuel cells. In solid oxide fuel cells (SOFC), pure nickel ribbons can be used as anode materials to catalyze the electrochemical oxidation reaction of hydrogen. It has good electrical conductivity and catalytic activity, which helps improve fuel cell performance and efficiency.
2. Battery manufacturing: Pure nickel ribbon is widely used in battery manufacturing, especially nickel-cadmium batteries and nickel-metal hydride batteries. They are often used to make the positive and negative electrode wires of batteries, providing the current transmission and collection functions of the battery.
3. Solar cells: Pure nickel ribbons are also used in the manufacture of solar cells. It can be used as an electrode material in solar cells to absorb light energy and conduct current. Pure nickel ribbons have good electrical conductivity and light absorption properties, which help improve the efficiency of solar cells.
4. Thermoelectric materials: Pure nickel ribbons are also used in the field of thermoelectric materials. Thermoelectric materials can convert thermal energy into electrical energy to achieve energy conversion and utilization. Pure nickel ribbons can be used to prepare electrodes or wires for thermoelectric materials for charge transmission and collection.

5. Energy storage: Pure nickel tape has certain applications in the field of energy storage. For example, it can be used as an electrode material for supercapacitors, providing high conductivity and charge storage capabilities for high power density energy storage and release.

These applications demonstrate the diverse uses of pure nickel tape in the energy sector. With the continuous development and innovation of energy technology, the application prospects of pure nickel belts in the energy field are still broad.

Advantages:

In the energy field, pure nickel strip has the following advantages:

1. Excellent electrical conductivity: Pure nickel tape has good electrical conductivity and can effectively conduct current, making it suitable for applications requiring high electrical conductivity. This enables pure nickel ribbons to provide fast, efficient current transfer in energy devices.
2. Good chemical stability: Pure nickel ribbons exhibit good chemical stability in many energy fields. It resists corrosion and oxidation, enabling long-term stable operation under harsh environmental conditions, such as in fuel cells and batteries.
3. High temperature stability: Pure nickel belt has a high melting point and high temperature resistance. This enables it to maintain structural stability and mechanical strength in high-temperature environments, making it suitable for high-temperature energy devices such as solid oxide fuel cells and high-temperature batteries.
4. Excellent mechanical properties: Pure nickel belt has good mechanical strength and plasticity, and can withstand high stress and deformation. This enables it to withstand working conditions such as vibration, shock and mechanical load in energy equipment, improving the reliability and life of the equipment.
5. Preparability and processability: Pure nickel strip is relatively easy to prepare and process, and can be formed through processes such as cold rolling, hot rolling, electrolysis and welding. This makes the preparation process of pure nickel strips relatively flexible and able to meet the needs of different shapes and sizes.

It is important to note that the specific advantages and suitability of pure nickel tape depend on the specific application and needs. Other factors such as cost, sustainability and environmental impact also need to be considered when selecting materials.

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

Material	18650/21700/26650/32650 nickel strip
Dimension	1P to 9P
Available Space	18.5mm, 19mm, 19.5mm, 20.2mm
Usage	Use for 18650 battery pack
Package	Nickel strip in roll pack into carton
Physical properties	High temperature resistant, corrosion resistance,
Technical support	With imported stamping machine, Japanese Sodick, complete mold (more than 2000 sets of battery industry hardware mold), and can open mold independently.
Functions	Products are widely used in energy storage battery, new energy vehicles, electric bicycles, solar street lights, power tools and other energy products

Advantage	All materials are degreased and adopt the dry -punching technology to ensure that the product is clean.
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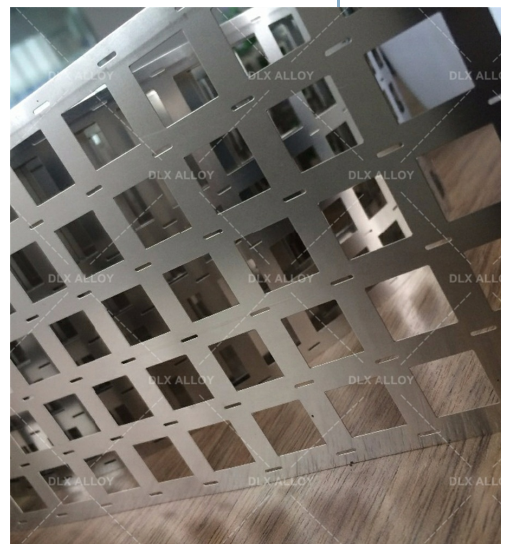
H shape nickel strip: 1P, 2P 3P, 4P, 5P, 6P, 7P, 8P, 9P

Model	Thickness	Distance of two welding centers: 18.5mm (used for battery pack without battery spacer)	Distance of two welding centers: 19mm	Distance of two welding centers: 19.5mm	Distance of two welding centers: 20/20.25mm
		Width(mm)	Width(mm)	Width(mm)	Width(mm)
1P	0.15/0.2mm	8	8	8	8
2P		25.5/27	26.5/27	26.5/27	27
3P		44	46	46	47
4P		62.5	65.5	65.5	67
5P		81	85	85	87
6P		99.5	104.5	104.5	107
7P		118	124	124	127
8P		136.5	143.5	143.5	147
9P		155	163	163	167

H shape nickel strip

Model	Thickness	Width	Distance of two welding centers
1P	0.15/0.2mm	8	18.5mm
2P		23	
3P		39	
4P		55	
5P		71	

Type	Dimension(mm)	Cell specin s(mm)	Width	Dimension of the Square hole	Nickel	Pure Nickel	Type of battery pack		
					Plated steel strip		with holder	without holder	
					Length for per Kg(m)				
1P 18650 Nickel strip	0.15*7*18.4	18.4	7	—	128.3	112.6	✓	✓	
	0.15*7*19	19		—	127.9	112.1	✓	✓	
	0.15*7*19.5	19.5		—			✓	✓	
	0.15*7*20.25	20.25		—	127.6	111.9	✓	✓	
2P 18650 Nickel strip	0.15*26*19 (13.5*13.5)	19	26	12*12	47.2	41.4	✓	✓	
	0.15*27*19.5 (12*14.5)	19.5		12*14.5	48.9	42.9	✓	✓	
	0.15*27*19.75 (12.5*12.5)	19.75		12.5*12.5	47	41.2	✓	✓	
	0.15*27*20.25 (13.5*13.5)	20.25		13.5*13.5	48.9	42.9	✓	✓	
2P 18650 Nickel strip	0.15*25.5*18.4 (11*12.5)	18.4	25.5	11*12.5	48.9	42.9	✓	✓	
Dislocation 2P 18650 Nickel strip	0.15*25.5*18.4 (8*9.5)	18.4		8*9.5	41.1	36.1	✓	✓	
Dislocation 2P 18650 Nickel strip	0.15*25.5*19.5 (8*9.5)	19.5		8*9.5	38.6	33.8	✓	✓	
3P 18650 Nickel strip	0.15*44.5*18.4 (11*12.5)	18.4	44.5	11*12.5	27.4	24	✓	✓	
	0.15*45*19 (12*12)	19		12*12	29.1	23.5	✓	✓	
	0.15*47.5*20.15 (12.65*12.65)	20.15		12.65*12.65	27.4	24	✓	✓	
	0.15*47.5*20.25 (13.5*13.5)	20.25		13.5*13.5	29.4	23.7	✓	✓	
4P 18650 Nickel strip	0.15*63*18.5 (11*12.5)	18.5	63	11*12.5	21.6	18.9	✓	✓	
	0.15*64*19 (12*12)	19		12*12	21	18.4	✓	✓	
	0.15*67.95*20.15 (12.65*12.65)	20.15		12.65*12.65	19.6	17.2	✓	✓	
	0.15*67.7*20.25 (13.5*13.5)	20.25		13.5*13.5	21.3	18.7	✓	✓	
5P 18650 Nickel strip	0.15*83*19 (12*12)	19	83	12*12	16.4	14.4	✓	✓	
	0.15*88.1*20.15 (12.65*12.65)	20.15		12.65*12.65	19.7	17.3	✓	✓	
	0.15*87.9*20.25 (13.5*13.5)	20.25		13.5*13.5	16.7	14.6	✓	✓	
	0.15*102*19 (12*12)	19		12*12	13.5	11.9	✓	✓	
6P 18650 Nickel strip	0.15*108.25*20.15	20.15	108.25	12.65*12.65	12.6	11	✓	✓	
	0.15*108.1*20.25 (13.5*13.5)	20.25		108.1	13.5*13.5	13.7	12	✓	✓
	0.15*121*19 (12*12)	19		12*12	11.5	10	✓	✓	
7P 18650 Nickel strip	0.15*128.4*20.15 (12.65*12.65)	20.15	128.4	12.65*12.65	10.7	9.4	✓	✓	
	0.15*128.3*20.25 (13.5*13.5)	20.25		128.3	13.5*13.5	11.6	10.2	✓	✓
8P 18650 Nickel strip	0.15*140*19 (12*12)	19	140	12*12	10	8.7	✓	✓	



FAQ:

What kind of packaging methods do you offer?

We provide a variety of packaging methods, such as rolls, reels or customized packaging to ensure the safety and integrity of pure nickel strips during transportation.

What properties does pure nickel have?

Pure nickel strip has good magnetism, weldability and processability, and can be cold and hot processed to meet the requirements of different applications.

What is the resistivity of pure nickel strip?

Pure nickel tape has a resistivity of about 7.8 $\mu\Omega\cdot\text{cm}$ and is important in applications such as resistors and heating elements.



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