



LC NI 99.0 Pure N4 N6 NI201 Nickel Strip / Nickel Coil With Best Price

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Model Number: Ni200 Ni201
- Minimum Order Quantity: 2 Kg
- Price: 1 - 49 kilograms US\$35.00
- 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

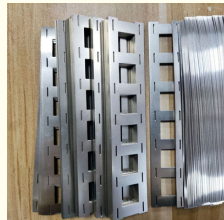


Product Specification

- Type: Pure Nickel Strip
- Density (g/cm3): 8.9 G/cm3
- Melting Point(°C): 1435-1446 °C
- Condition: Bright, soft
- Surface: Bright
- Material: Nickel
- Material Purity: >99.9%
- Conductor: Pure Nickel Connector
- Metal: Nickel
- Ni(min): 99.5%
- Application: Chemical Industry Battery Assembly
- Highlight: 99.9% Pure Nickel Strip, Customized Pure Nickel Coil



More Images



Our Product Introd

Product Description

Product Description:

Pure nickel strip is a strip material made of high-purity nickel metal with excellent corrosion resistance and electrical conductivity. It is widely used in chemical industry, electronics, aerospace and other fields to manufacture various equipment and components, providing reliable performance and long-term durability to the industrial field. Pure nickel strip also has excellent mechanical properties and processability, and can easily undergo cold working, hot working, welding and other process operations, making it widely used in the manufacturing industry. Whether in automotive manufacturing, shipbuilding or metal processing, pure nickel strips provide reliable material solutions for a variety of engineering and innovations.

Application areas:

1. Lithium-ion battery assembly: Pure nickel tape is often used to connect the battery sheets and electrode sheets in lithium-ion battery assembly. It can be used as the connecting piece of the battery piece or the welding piece of the electrode piece, and is connected to the battery piece through welding or crimping to ensure the stability and performance of the battery.
2. Battery connecting piece: Pure nickel strip can be used as connecting piece between battery components, such as battery connecting piece, lead piece, etc. During the battery assembly process, these connecting pieces connect different battery components together through welding or crimping to form a complete battery system.
3. Battery pack packaging: Pure nickel tape can also be used for battery pack packaging. In the battery pack packaging process, pure nickel strips can be used as connecting pieces or conductive strips to connect battery cells, connect battery packs to external circuits, and provide good current conduction properties.
4. Battery pole manufacturing: Pure nickel strips are also used in battery pole manufacturing. It can be used as a base material for battery electrodes, which can be processed and processed into battery electrodes with specific shapes and sizes for electrochemical reactions and charge transfer.



Conductive properties:

In pure nickel ribbon, the presence of impurities and other elements may affect its conductive properties. Higher purity nickel ribbons generally reduce the content of impurities and increase the free movement of electrons, thereby increasing conductivity. High-purity pure nickel tape has lower resistance and higher conductivity, providing better current conduction.

On the other hand, increased impurity content in pure nickel ribbons may cause scattering and obstruction of electrons, thereby reducing conductive properties. The presence of impurities and other elements can form grain boundaries, dislocations or other defects that affect the flow of electrons in the material.

Therefore, the purity of pure nickel tape is critical to its conductive properties. Higher purity generally results in better electrical conductivity, reduced resistance and energy loss, and increased efficiency of current transfer. In applications such as battery welding that require high electrical conductivity, choosing high-purity pure nickel tape can achieve better electrical conductivity.

Purity requirements and standards:

1. Electronics Industry: In the electronics industry, pure nickel strips are often used to manufacture resistors, inductors, capacitors and other components. For general electronic applications, high purity nickel (99.9% or higher) is usually sufficient. For higher precision electronic applications, such as semiconductor manufacturing, ultra-high purity nickel (99.99% or higher) may be required to ensure that impurity content has minimal impact on device performance.
2. Aerospace field: In the aerospace field, pure nickel strips are often used to manufacture high-temperature alloys, aerospace engine parts, etc. For aerospace applications, high purity nickel (99.9% or higher) is often a basic requirement to ensure the performance stability and corrosion resistance of alloy materials.
3. Medical devices: In the field of medical devices, pure nickel strips are often used to manufacture implantable medical devices, surgical tools, etc. For medical device applications, purity requirements are relatively high, often requiring high-purity nickel (99.9% or higher) to ensure the material's biocompatibility and corrosion resistance.
4. Magnetic materials: In the field of magnetic materials, pure nickel tape is often used to make magnetic cores, sensors, etc. For magnetic material applications, purity requirements are relatively high, often requiring high-purity nickel (99.9% or higher) to ensure that impurities have minimal interference with magnetic properties.

Technical Parameters:

Attribute	Value
Application	Chemical Industry, Battery Assembly
Conductor	Pure Nickel Connector
Melting Point(°C)	1435-1446 °C
Ultimate Strength (≥ MPa)	462
Power Or Not	Not
Type	Pure Nickel Strip
Material Purity	>99.9%
Purity	99.5%Min/ 99.9%Min(customized)
Elongation (≥ %)	45
Resistance (μΩ.m)	1.5

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.

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

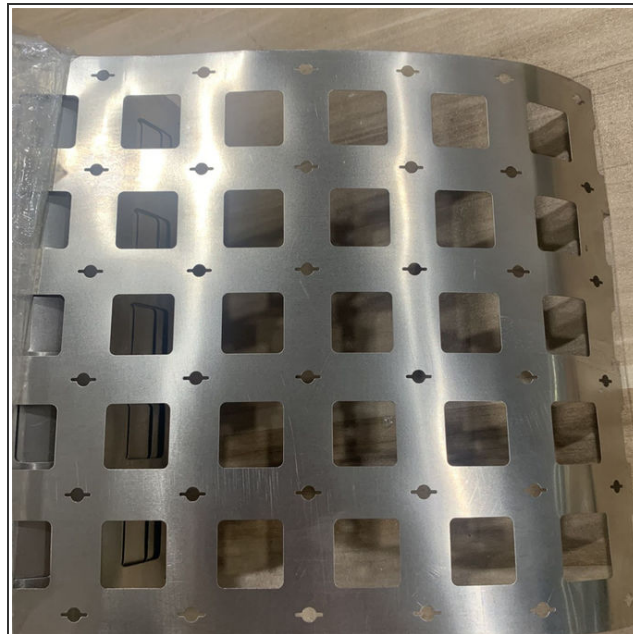
H shape nickel strip

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 spacing(mm)	Width	Dimension of the Square hole (mm)	Nickel Plated steel strip Length for per Kg (m)	Pure Nickel	Type of battery pack
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	27	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 Dislocation 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	✓
	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	45	12*12	29.1	25.5	✓
	0.15*47.5*20.15(12.65*12.65)	20.15	47.5	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	25.7	✓
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	64	12*12	21	18.4	✓
	0.15*67.95*20.15(12.65*12.65)	20.15	67.95	12.65*12.65	19.6	17.2	✓
	0.15*67.7*20.25(13.5*13.5)	20.25	67	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	88.1	12.65*12.65	19.7	17.3	✓
	0.15*87.9*20.25(13.5*13.5)	20.25	87.9	13.5*13.5	16.7	14.6	✓
	0.15*102*19(12*12)	19	102	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	121	12*12	11.5	10	✓
	0.15*128.4*20.15(12.65*12.65)	20.15	128.4	12.65*12.65	10.7	9.4	✓
7P 18650 Nickel strip	0.15*128.3*20.25(13.5*13.5)	20.25	128.3	13.5*13.5	11.6	10.2	✓
	0.15*140*19(12*12)	19	140	12*12	10	8.7	✓

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What are the aspects of customization services for pure nickel strips?

Customization services for pure nickel strips usually include size customization, surface treatment customization, packaging customization, etc. to meet customers' specific needs and application requirements.

Does the application area of pure nickel strip need to comply with specific industry standards?

Yes, there may be specific industry standards for pure nickel strips in different application fields, such as aerospace, electronics and other fields.

What are the advantages of pure nickel belt?

Pure nickel strip has the advantages of good high temperature strength, oxidation resistance, thermal creep resistance and thermal fatigue resistance.



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