Ni200 Ni201 Pure Nickel Strip Bright Surface For Battery

Our Product Introduction

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 (μΩ.m): 1.5
- Ultimate Strength (≥ MPa): 462
- Elongation (≥ %): 45
- Surface: Bright
- Density (g/cm3): 8.9 G/cm3
- Resistivity: 1.35±0.07
- Melting Point(℃): 1435-1446 ℃
- Application: Chemical Industry Battery Assembly
- M.O.Q: 2KG
- Highlight: **Ni201 Pure Nickel Strip**, **Battery Ni200 Nickel Strip**,

More Images

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Our Product Introduction

Product Description

Introduction:

Pure nickel strip is a thin strip material made of pure nickel metal with excellent performance and wide range of

applications.
First of all, pure nickel tape has excellent corrosion resistance and can resist the erosion of various chemical media. It is widely used in the manufacturing of corrosion-resistant equipment and chemical sensors in the chemical industry. Secondly, pure nickel strips have good thermal conductivity and magnetic properties and are widely used in heating elements, radiators, heat exchangers, electric motors and magnetic components. In addition, pure nickel strips also have good weldability, corrosion resistance, flexibility and anti-oxidation properties, allowing them to play an important role in industries such as electronics, chemicals, marine and petroleum.

Compared:

Relative to other materials, the cost of pure nickel strips in energy equipment may vary. Here are some factors that may affect the cost of pure nickel strip:
Raw material cost: The cost of pure nickel strip is affected by the price of raw materials. Nickel is a finite resource and its price may be affected by supply and demand and market fluctuations. Therefore, the cost of pure nickel strip may be affected by fluctuations in the price of nickel raw materials.
Preparation process cost: The preparation process of pure nickel strip involves multiple process steps, such as raw material purification, smelting, rolling, processing, etc. These process steps require resource investment such as equipment, energy and human resources, which will all have an impact on the cost of pure nickel strips.
Manufacturing technology and scale effects: The cost of pure nickel strips is also affected by manufacturing technology and scale effects. Advanced manufacturing technology and efficient production processes can reduce production costs. In addition, scale effects can also bring cost advantages. Large-scale production can spread fixed costs, thereby reducing the cost of unit products.
Material Performance and Cost-Effectiveness Tradeoffs: In energy devices, material selection requires a combination of performance and cost-effectiveness. The specific properties of pure nickel tape may make it ideal for certain applications, but in other cases, other materials may be more cost-effective.
It is important to note that specific cost differences will vary based on different energy equipment, market conditions and manufacturing environments. Therefore, detailed cost analysis and evaluation is required to determine the most cost-effective material selection in a specific application.

Environmental impact:

Assessing the sustainability and environmental impact of pure nickel ribbon involves the following aspects:
Raw Material Harvesting: Assessing the sustainability of pure nickel strips requires consideration of how the nickel's raw materials are harvested. Nickel is a limited resource, and collecting and refining nickel may have a certain impact on the environment. Assessments should focus on the impacts of mining activities on land, water and biodiversity, as well as on local communities and labor rights.
Manufacturing process: To evaluate the environmental impact of the manufacturing process of pure nickel strips, energy consumption, wastewater emissions, air emissions and solid waste generation need to be considered. Efficient manufacturing processes and waste reduction management practices can reduce environmental impact.
Use stage: The use stage of pure nickel tape in energy equipment has less impact on the environment because it is mainly used for current transmission and conductive functions. However, if the energy device itself (such as a fuel cell or battery) has an environmental impact, then the use of pure nickel tape can also have an indirect impact on the environment.
Recycling and waste disposal: Assessing the sustainability of pure nickel ribbon also requires consideration of its recycling and waste disposal. Pure nickel strips can be recycled and reused, reducing the need for new nickel resources. Discarded pure nickel strips should be properly disposed of to prevent environmental pollution.

Q&A:

What are the surface treatments for pure nickel strips?
Common surface treatment methods for pure nickel strips include electroplating, polishing, sandblasting or chemical treatment. The appropriate surface treatment method is selected according to customer needs and application requirements.

What is the thermal expansion coefficient of pure nickel strip?
The coefficient of thermal expansion of pure nickel tape is approximately 13.3 x 10^-6/°C, although the exact value may vary slightly depending on the specific material and alloy composition of the pure nickel tape.

What are the applications of pure nickel tape in electronic packaging?
Pure nickel tape plays a role in connection and protection in electronic packaging, and is often used to make components such as leads and pins.

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.

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	Pure Nickel	Type of battery pack	
					Length for per Kg(m)		with holder	without holder
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	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	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	√	
6P 18650 Nickel strip	0.15*102*19(12*12)	19	102	12*12	13.5	11.9	√	
	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	√	
7P 18650 Nickel strip	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	√	
	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	√	

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email:victory@dlx-alloy.com
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Changzhou Victory Technology Co., Ltd
+8619906119641 victory@dlx-alloy.com victory-alloy.com
NO.32 West Taihu Road, Xinbei District, Changzhou, Jiangsu