Special For Pure Nickel Strips 2p5s Electric Tools For 18650 Battery Nickel Strips For Battery Pack

Our Product Introduction

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

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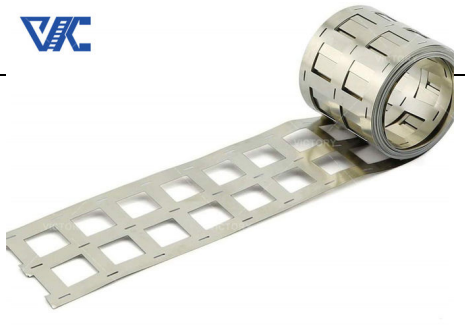
Our Product Introd

Product Description

Product Description:

Pure nickel strip is a strip material made of high-purity nickel metal with excellent corrosion resistance and electrical conductivity.
Its corrosion resistance enables it to maintain surface stability and integrity in harsh environments such as acids, alkalis, and salt solutions, making it suitable for use in the chemical industry. At the same time, pure nickel tape has excellent electrical conductivity properties, making it an ideal material for circuits and connectors in the electronic field. In addition, pure nickel strips also play an important role in the aerospace field and are used to manufacture key components such as high-temperature furnaces, heat treatment equipment, and aerospace engines. Pure nickel strip has good mechanical properties and processability and can be adapted to various processing techniques, including cold working, hot working and welding, providing a flexible and reliable material choice for the manufacturing industry.

Advantages in high temperature environments:



1. Maintain stable electrical properties: Pure nickel tape can maintain stable electrical conductivity under high temperature conditions. High-temperature environments may cause the material's resistance to increase, but high-purity pure nickel tape can reduce the increase in resistance and maintain a low resistance value, ensuring the efficiency and stability of current transmission.
2. Maintain mechanical strength: Pure nickel belts can maintain a certain mechanical strength and stability in high temperature environments. High-temperature environments may cause material deformation and creep, but pure nickel tape has good high-temperature strength and creep resistance, and can maintain the stability of the connection.
3. Anti-oxidation performance: Pure nickel belt has good anti-oxidation performance in high temperature environment. High temperatures will accelerate the oxidation process of the material, but pure nickel tape can resist oxidation and maintain a relatively long service life under high temperature conditions.
4. Corrosion resistance: Pure nickel belt has good corrosion resistance in high temperature environment. Corrosive media in high-temperature environments may corrode materials, but high-purity pure nickel strips can resist corrosion and extend the service life of materials.
5. Stable dimensional changes: The dimensional changes of pure nickel strips in high temperature environments are relatively small. High temperatures have an impact on the thermal expansion coefficient and linear expansion coefficient of the material, but the thermal expansion coefficient of pure nickel strips is relatively low and can maintain relatively stable dimensional changes.

Compare with other materials:

Nickel tape has several advantages over other materials in high temperature environments, including:
1. High melting point: Pure nickel has a high melting point, approximately 1455 degrees Celsius (2651 degrees Fahrenheit). This means that in high-temperature environments, pure nickel strips can maintain the stability of their structure and are not prone to melting or softening.
2. Good high temperature strength: Pure nickel tape exhibits good mechanical strength at high temperatures. It has high thermal creep resistance and can resist deformation and creep at high temperatures, thereby maintaining the stability and strength of the material.
3. Anti-oxidation performance: Pure nickel belt has good anti-oxidation performance in high temperature environment. It can form a stable oxidation layer to prevent further oxidation reactions, slow down the oxidation rate of materials, and extend their service life.
4. Good thermal conductivity: Pure nickel has good thermal conductivity and can quickly conduct heat from high-temperature areas to the surrounding environment. This helps maintain material temperature uniformity, reduces thermal stress, and improves material stability in high-temperature environments.
To sum up, compared with other materials, pure nickel tape has a higher melting point, good high-temperature strength, oxidation resistance and thermal conductivity in high-temperature environments. These advantages make pure nickel strips widely used in high-temperature fields, such as aerospace, energy, chemical and other industries, especially in applications that require resistance to high-temperature creep and oxidation.

Technical Parameters:

Attribute	Value
Application	Chemical Industry, Battery Assembly
Conductor	Pure Nickel Connector
Melting Point(℃)	1435-1446 ℃
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	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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FAQ:

What is the tensile strength of pure nickel tape?
The tensile strength of pure nickel tape typically ranges from 200 to 700 megapascals (MPa).

How conductive is pure nickel tape?
Pure nickel tape has excellent electrical conductivity and is one of the good conductive materials.

What are the applications of pure nickel tape in the medical industry?
Pure nickel tape is commonly used in the medical industry for applications such as medical devices, implants, and medical sensors.

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