21700 32650 Pure Nickel Strip 2p 3p 5p For 18650 Lithium Battery

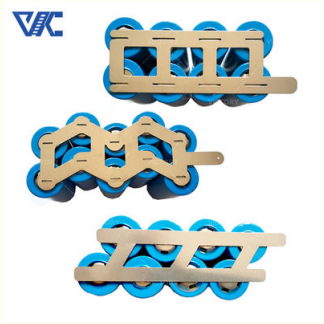
Our Product Introduction

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**



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Our Product Introd

Product Description

Product Description:

Pure nickel strip is a high-purity, impurity-free metal strip. It is made of pure nickel metal, machined and rolled. Pure nickel strips typically come in uniform thickness and width and can be customized to meet specific needs.
Pure nickel tape has excellent corrosion resistance. It is resistant to a wide range of chemicals, including acids, alkalis and salt solutions. This makes pure nickel strip ideal for equipment and components in chemical processes and corrosive environments.
Pure nickel tape also has good electrical and thermal conductivity. Nickel is an excellent conductive metal and can effectively conduct electricity. At the same time, it also has good thermal conductivity and can transfer heat quickly. Therefore, pure nickel tape is widely used in electronic components, batteries, heat exchangers and other fields.

Corrosion resistance:

1. Surface treatment: Surface treatment of pure nickel strips is one of the important methods to improve its corrosion resistance. Common surface treatment methods include electroplating, hot dip plating and chemical plating. These surface treatments can form a protective metal or compound layer to block the contact between the external medium and the pure nickel strip, reducing the occurrence of corrosion.
2. Adding alloying elements: By adding some alloying elements to pure nickel, such as chromium, molybdenum, copper, etc., the corrosion resistance of pure nickel strips can be significantly improved. These alloying elements can form stable oxide films or compounds to prevent the intrusion of corrosive media.
3. Control the purity of components: The purity of components of pure nickel strips also affects its corrosion resistance. By controlling impurity levels in raw materials and production processes, the potential for corrosion can be reduced.
4. Use protective coating: Coating pure nickel strip with a corrosion-resistant protective coating can effectively prevent corrosion from corrosive media. Commonly used protective coatings include organic coatings, inorganic coatings and ceramic coatings.
5. Controlling process conditions: During the processing and use of pure nickel strips, controlling process conditions can also affect its corrosion resistance. For example, parameters such as processing temperature, cooling rate and stress are controlled to reduce internal stress and the possibility of grain boundary corrosion.

Influencing factors:

1. Temperature: Temperature is one of the important factors affecting the corrosion resistance of pure nickel strips. In high temperature environments, pure nickel strips may suffer from complex corrosion forms such as oxidation, sulfidation, and nitration. High temperature may also accelerate the erosion rate of pure nickel strips by corrosive media. Therefore, the corrosion resistance of pure nickel strips may decrease in high temperature environments.
2. Humidity: Humidity is another factor that affects the corrosion resistance of pure nickel strips. In a high-humidity environment, pure nickel strips are easily in contact with moisture, creating conditions for electrochemical corrosion. Oxygen, chlorine and other substances in moisture can accelerate the corrosion rate of pure nickel strips. Therefore, high humidity environments may have a negative impact on the corrosion resistance of pure nickel strips.
3. Corrosive media: Different corrosive media have different effects on the corrosion performance of pure nickel strips. For example, corrosive media such as strong acid, strong alkali, and salt water may cause serious corrosion to pure nickel strips. Factors such as the composition, concentration and temperature of specific corrosive media will all affect the corrosion resistance of pure nickel strips.

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

Keyword	Description
Nickel Strip Price	The cost of purchasing nickel strips for various applications.
Fused Nickel Strip	A type of nickel strip that has been fused or welded together for added strength and durability.
Pure Nickel Strip Price	The cost of purchasing pure nickel strips, which are made from 99.9% pure nickel.

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 are the common width ranges for pure nickel strip?
The width of pure nickel strips usually ranges from 0.1 mm to 300 mm.

What are the applications of pure nickel strips in the electronics industry?
Pure nickel tape is commonly used in the electronics industry for applications such as battery connectors, conductive springs, and electromagnetic shielding.

What are the advantages of the anti-oxidation properties of pure nickel belts?
Pure nickel tape has excellent oxidation resistance and can form a dense oxide layer in high temperature environments to protect the substrate from oxidative damage.

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