

Pure Nickel Strip N6 N4 Ni200 Ni201 ASTM B162 UNS N02201 DIN 2.4068

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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



Product Specification

Supply Ability:

• 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

300 tons per month

VK



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Product Description

Product Description:

Pure nickel strip is a strip material made of high-purity nickel metal. Its main component is nickel, usually with a purity of 99% or higher. Pure nickel belt has excellent corrosion resistance and can resist erosion by corrosive media such as acids, alkalis, and salt solutions. This makes pure nickel strips widely used in the chemical industry for manufacturing chemical storage tanks, pipes, valves and other equipment.

In addition, pure nickel tape also has excellent conductive properties and is one of the important conductive materials in the electronics industry. It has low resistivity and good electrical conductivity, making it suitable for manufacturing circuit boards, connectors, electrodes and conductive components, etc. Pure nickel ribbon also plays an important role in the battery manufacturing and energy fields, where it is used to make lithium-ion batteries, fuel cells, solar cells, etc.

Corrosion resistance:

The corrosion resistance of pure nickel strips in high temperature environments can be improved by coating or covering materials. Coatings or cladding materials can provide an additional layer of protection against corrosion and reduce direct contact with corrosive media, thus extending the service life of pure nickel strips.

The following are some common coatings or cladding materials that can be used to improve the high temperature corrosion resistance of pure nickel strip:

 Oxide layer: At high temperatures, an oxide layer can form on the surface of pure nickel strips. This oxide layer can provide a certain degree of corrosion protection and prevent further oxidation reactions from occurring. If higher corrosion resistance is required, the quality and thickness of the oxide layer can be improved by controlling oxidation conditions, oxidants, and atmosphere.

2. Metal coating: Applying a layer of corrosion-resistant metal coating, such as nickel-chromium alloy, aluminum, titanium, etc., can improve the corrosion resistance of pure nickel strips. These coatings provide better oxidation and corrosion resistance while maintaining the high-temperature strength of pure nickel.

3. Ceramic coating: Some ceramic materials, such as alumina, zirconia, silicon carbide, etc., have excellent high-temperature corrosion resistance. Coating these ceramic materials provides increased resistance to corrosion and wear.

Coating materials: Applying coating materials such as ceramic fiber, high-temperature glue or ceramic paper to the surface of pure nickel strips can provide certain isolation and protection effects and reduce the contact between corrosive media and pure nickel strips.

Heat treatment process:

Heat treatment can have an impact on the corrosion resistance of pure nickel strips. The specific impact depends on the heat treatment method and conditions used. Here are some common effects: 1. Grain boundary structure and grain size: Heat treatment can change the grain boundary structure and grain size of pure nickel ribbons.

1. Grain boundary structure and grain size: Heat treatment can change the grain boundary structure and grain size of pure nickel ribbons. Proper heat treatment can lead to the clarity of grain boundaries and refinement of grains, thereby improving the strength and corrosion resistance of the material. Fine grains and clear grain boundaries can reduce erosion by corrosive media and the formation of cracks.

2. Chemical composition uniformity: Solution treatment or aging treatment during heat treatment can improve the chemical composition uniformity of pure nickel strips. Uniform chemical composition can improve the corrosion resistance of materials and avoid local corrosion caused by local composition deviation.

 Residual Stresses: Heat treatment may introduce or eliminate residual stresses in pure nickel strip. Residual stress may cause increased or decreased susceptibility to stress corrosion cracking, thereby affecting corrosion resistance. Proper control of heat treatment conditions can help reduce residual stress and improve corrosion resistance.
 Phase Changes and Precipitate Formation: Certain heat treatment conditions may lead to phase changes or the formation of

4. Phase Changes and Precipitate Formation: Certain heat treatment conditions may lead to phase changes or the formation of precipitates in pure nickel ribbon. Phase changes and the formation of precipitates can change the crystal structure and chemical composition of the material, thereby affecting its corrosion resistance. Sometimes, the corrosion resistance of pure nickel strips can be improved by properly controlling phase changes and precipitate formation.

Technical Parameters:

Attribute				Value								
Application	1			Chemical Industry, Battery Assembly								
Conductor	onductor				Pure Nickel Connector							
Melting Po	int(°C)		1435-1446	°C								
Ultimate St	trength (≥ MF	Pa)		462								
Power Or I	Not			Not								
Туре				Pure Nickel	Strip							
Material Pi	irity			<u>\99.9%</u>								
Purity	anty			00.5% Min/		stomized)						
Funty	(2. 0())			99.5 /olviii i/	33.3 /8//////(Cu	stornizeu)						
Elongation	(≥%)			45								
Resistance (μΩ.m)				1.5								
Grade	Ni+Co	Cu	Si	Mn	С	Mg	S	Р	Fe			
14	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			
Vi201	≥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	18650/217	00/26650/32	650 nickel	strip								
Dimension	1P to 9P											
Available Space	18.5mm,1	9mm, 19.5mn	n, 20.2mm									
Jsage	Use for 18	650 battery p	ack									
Package	Nickel stri	Nickel strip in roll pack into carton										
Physical properties	High temp	High temperature resistant, corrosion resistance,										
Fechnical support	With impo hardware	rted stamping mold), and ca	machine, In open mo	Japanese Sod Id independen	ick, complete tly.	e mold (moi	re than 2000	sets of batte	ery industry			
unctions	Products a power tool	are widely use s and other e	ed in energ nergy prod	y storage batte lucts	ery, new ener	gy vehicles	s, electric bio	ycles, solar :	street lights,			
Advantage	All materia	Is are degrea	ised and a	dopt the dry -p	unching techi	nology to e	nsure that th	ne 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		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	0.15/0.2mm	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 n	nickel str	ip									
Model	Т	hickness	Width		Distance of two welding centers						
1P			8								
2P			23								
3P	0.1	5/0.2mm	39		- 18 5mm						
40	4P		55		10.5000						
50			71								
58	iP 71										
Type Dime		Dimens	ion(mm)	Cell spacin	Width	Dimension of the Square hole	Nickel Plated steel strip	Fure Nickel	Type of pe	battery ick	
				s(mm)		(mm)	Length for per Kg(m) with holder		without holder		
		0.15*7*18.4					128.3	112.6		4	
10 100 50 ML	hal admin	0.15*7*19		19	-	-	127.9	112.1	4		
1F 100.50 Mic.	Kel strip	0.15*	19.5		-			4			
		0.15*	20.25		-	127.6	111.9	4			
		0.15*26*19	(13. 5*13. 5)	19	26	12#12	47.2	41.4	4		
		0. 15*27*19. 5(12*14. 5)				12*14.5	48.9	42.9	4		
2F 100 30 Mic.	Kel strip	0.15*27*19.7	19.75	27	12. 5*12. 5	47	41.2	4			
0.1		0.15*27*20.1	7*20.25(13.5*13.5)			13. 5*13. 5	48.9	42.9	4		
2P 18650 Nickel strip 0.15*25.5*18.4(11*12.5)			18.4		11*12.5	48. 9	42.9		1		
Dislocation Nickel s	2P 18650 trip	0. 15*25. 5*	18.4	25. 5	8*9.5	41. 1	36. 1		4		
Dislocation Nickel s	2P 18650 trip	0. 15*25. 5*	19.5		8*9.5	38.6	33. 8	4			
		0. 15*44. 5*18	18.4	44.5	11*12.5	27.4	24		4		
3P 18650 No.	kal strin	0.15*45*1	19	45	12*12	29.1	25.5	4			
51 10050 MIC.	ACT SUTTP	0.15*47.5*20.1	20.15 20.25	47.5	12.65*12.65	27.4	24	4			
		0.15*47.5*20.2			13. 5*13. 5	29.4	25.7	4			
		0.15*63*18.	18.5	63	11*12.5	21.6	18.9		4		
4P 18650 No.	kal strin	0.15*64*1	19	64	12*12	21	18.4	4			
. 10000		0.15*67.95*20.1	20.15	67.95	12.65*12.65	19.6	17.2	4			
		0.15*67.7*20.25 (13.5*13.5)		20.25	67	13. 5*13. 5	21.3	18.7	~		
		0.15*83*19 (12*12)		19	83	12#12	16.4	14.4	4		
5P 18650 Nic	kel strip	0.15*88.1*20.1	20.15	88.1	12.65*12.65	19.7	17.3	4			
	0.15*87.9*20.1	20.25	87.9	13. 5*13. 5	16.7	14.6	4				
6P 18650 Nickel strip	0.15*102*	19	102	12#12	13.5	11.9	4				
	0.15*108	20.15	108.25	12.65*12.65	12.6	11	4				
		0.15*108.1*20.	20.25	108.1	13.5*13.5	13.7	12	4			
		0.15*121*19 (12*12)		19	121	12*12	11.5	10	4		
7P 18650 Nic	kel strip	0.15*128.4*20.1	5 (12.65*12.65)	20.15	128.4	12.65*12.65	10.7	9.4	4		
	0.15*128.3*20.	20.25	128.3	13.5*13.5	11.6	10.2	4				
8P 18650 Nic	kel strip	0.15*140*	19	140	12*12	10	8.7	4			

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FAQ:

What is the maximum service temperature of pure nickel belt in high temperature environment? Pure nickel tape can be used at temperatures up to 1000°C and has good high temperature performance.

