



## Heating Alloy Strip Nichrome 80/20 Ni80cr20 Ni70cr30 Ni60cr15 Element Strip

Our Product Introduction

for more products please visit us on [victory-alloy.com](http://victory-alloy.com)

### Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: ISO9001 CE
- Model Number: Cr20Ni80
- Minimum Order Quantity: 5
- Price: 5-100KG \$20-\$30
- Packaging Details: Spool package with Carton box, Coil package with polybag for Resistance wire
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



### Product Specification

- Material: Nickel, Chromium
- Nickel(Min): 77%
- Resistivity: 1.09+/-0.05
- Tensile Strength: 637MPA
- Elongation: ≥20%
- Application: Heating, Resistivity
- Condition: Hard / Soft
- Surface: Bright, Oxided, Acide
- Delivery Time: 7-20 Days
- Dimensions: Customized, 0.05-12mm, Nichrome Strip  
Ni80Cr20 Nickel Chrome Alloy
- Highlight: **Ni80cr20 Heating Alloy strip,**  
**Ni60cr15 Element Strip,**  
**Ni70cr30 Heating Alloy strip**



### More Images



### Product Description

Heating Alloy Strip Nichrome 80/20 Ni80cr20 Ni70cr30 Ni60cr15 element strip

1. (Common Name: Ni80Cr20, Nikrothal 8, MWS-650, NiCrA, Tophet A, HAI-NiCr 80, Chromel A, Alloy A, Alloy 650, N8, Resistohm 80, Stablohm 650, Nichorme V, Nikrothal 80.)
2. Nichrome Heating Alloy Strip is a type of resistance heating alloy strip made from a combination of nickel (Ni) and chromium (Cr). This alloy is commonly used in the manufacturing of heating elements due to its excellent electrical resistance and heat generation properties. The Nichrome Heating Alloy Strip is known for its durability, high melting point, and stability at high temperatures, making it ideal for various heating applications in industries such as appliances, automotive, and aerospace.
- 3.. Main Types of Nickel chrome alloys: Ni80Cr20, Ni70Cr30, Ni60Cr15, Ni35Cr20, Ni30Cr20  
FeCrAl alloy: 0Cr25Al5, 0Cr23Al5, 0Cr21Al4, 0Cr27Al7Mo2, 0Cr21Al6Nb, 0Cr21Al6.  
Copper nickel alloy: CuNi1, CuNi2, CuNi6, CuNi8, CuNi10, CuNi23, CuNi30, CuNi44

Our Product Introduction

4.The size of Ni80Cr20 strip can vary depending on the manufacturer and the specific requirements of the application. Common sizes for Ni80Cr20 strips include:

Thickness: Typically ranges from 0.1 mm to 5 mm

Width: Usually varies from 1 mm to 100 mm



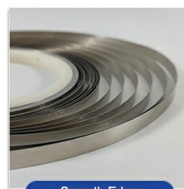
Performance material		Cr10Ni90	Cr20Ni80	Cr30Ni70	Cr15Ni60	Cr20Ni35	Cr20Ni35
Composition	Ni	90	Rest	Rest	55.0~61.0	34.0~37.0	30.0
	Cr	10	20.0~23.0	28.0~31.0	15.0~18.0	18.0~21.0	18.0
	Fe		≤1.0	≤1.0	Rest	Rest	Rest
Maximum temperature °C		1300	1200	1250	1150	1100	1100
Melting point °C		1400	1400	1380	1390	1390	1390
Density g/cm3		8.7	8.4	8.1	8.2	7.9	7.9
Resistivity at 20°C(μΩ·m)			1.09±0.05	1.18±0.05	1.12±0.05	1.00±0.05	1.04
Elongation at rupture		≥20	≥20	≥20	≥20	≥20	≥20
Specific heat J/g. °C			0.44	0.461	0.494	0.5	0.5
Thermal conductivity KJ/m.h °C			60.3	45.2	45.2	43.8	43.8
Coefficient of lines expansion α×10-6/ (20~1000°C)			18	17	17	19	19
Micrographic structure			Austenite	Austenite	Austenite	Austenite	Austenite
Magnetic properties			Non-magnetic	Non-magnetic	Non-magnetic	Weak magnetic	Weak magnetic

## Product Details

High-quality materials and surface treatment technology



Metallic Luster



Smooth Edges



## Product Comparison

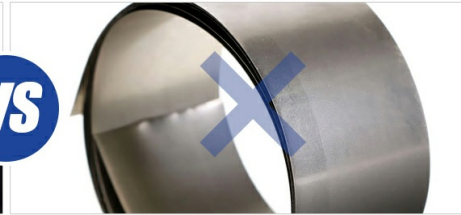
The quality of our products has been strictly tested and guaranteed



OTHERS



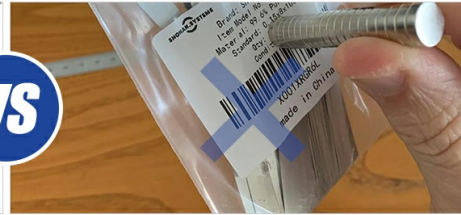
Smooth Edges



Uneven Edges



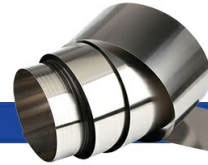
Standard Material Content



Substandard Products

## Application Field

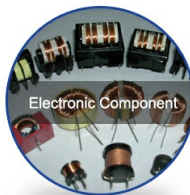
Nichrome strips are widely used in many fields



Heating Device



Resistive Element



Electronic Component



Welding Materials



Chemical Equipment



Auto Industry



Medical Instruments



Solar Battery



## Product Process

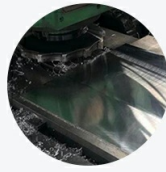
The production process and technology used in the product



1 Ingredients



2 Smelting



3 Milling/Planing



4 Hot-rolling



5 Bell Annealing



6 Cleaning



7 Cold-rolling



8 Bright Annealing



9 Finish-rolling



10 Slitting



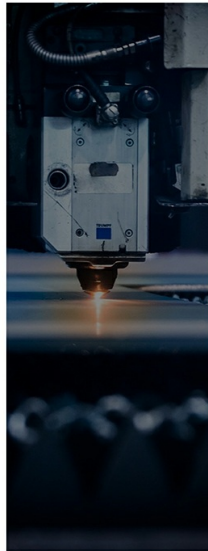
11 Final Test



12 Packaging

## Product Comparison

The quality of our products has been strictly tested and guaranteed



Measuring Instrument



Composition Detection



Composition Detection



Micro Hardness Tester



Micro Hardness Tester



Tensile Test Equipment

## OEM Services

We can provide customized services for customers

### Product Customization

**Thickness:0.5-2.5mm Width:5-40mm**

We can customize nichrome strips of different thickness and width for customers.



### Label Customization



We can provide label customization service for customers' products.

## Recommended Products

Click to learn more about related products



Nickel Bar



Nickel Tube



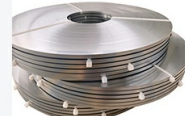
Nickel Strip



Monel Strip



Nickel Wire



Inconel Strip

### FAQ

Q:What products does your factory specialize in manufacturing?

A: We mainly produce in different resistance alloy, like Fecral/Nichrome/Inconel/ pure nickel material

Q: What quality control measures do you have in place?

A: We have own quality control team, and ISO certification.

Q:What are your payment terms and accepted payment methods?

A: 30% deposit and the balance will be paid before shipment.



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