



Nichrome Ni80Cr20 / Ni80 Tape NiCr 80/20 Heating Resistance Foil Strip

Our Product Introduction

for more products please visit us on victory-alloy.com

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE
- Model Number: Cr20Ni80
- Minimum Order Quantity: 5
- 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

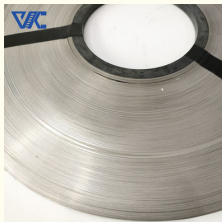


Product Specification

- 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
- Name: Resistance Wire
- Highlight: **Ni80Cr20 Heating Resistance Foil Strip,**
NiCr 80/20 Heating Resistance Foil Strip



More Images



Our Product Introduction

Product Description



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NiCr STRIP

Cr10Ni90, Cr20Ni80, Cr15Ni60, Cr20Ni35,
Cr20Ni30, Cr30Ni70

Customized service available

Nichrome alloy includes pure nickel, NiCr alloy, Fe-Cr-Al alloy and copper nickel alloy.

Nickel chrome alloys: Ni80Cr20, Ni70Cr30, Ni60Cr15, Ni35Cr20, Ni30Cr20, pure nickel Ni200 and Ni201

FeCrAl alloy: 0Cr25Al5, 0Cr23Al5, 0Cr21Al4, 0Cr27Al7Mo2, 0Cr21Al6Nb, 0Cr21Al6.

Copper nickel alloy: CuNi1, CuNi2, CuNi6, CuNi8, CuNi10, CuNi23, CuNi30, CuNi44, Constantan, CuMn12Ni

Our Nichrome alloy are in the form of wire, coil, ribbon, strip, foil

Nichrome wire sizes are:

Wire: 0.018mm-10mm

Ribbon: 0.05*0.2mm-2.0*6.0mm

Strip: 0.5*5.0mm-5.0*250mm

Bar: 10-100mm

Nichrome 80 20

Nichrome Grade: Ni70Cr30, Ni80Cr20, Ni60Cr15, Ni35Cr20, Ni30Cr20

NiCr 80/20 also called Chromel A, Cr20Ni80, N8, Nichrome V, HAI - NiCr 80, Tophet A, Resistohm 80, Cronix 80, Protoloy, Alloy A, MWS-650, Stablohm 650, NCHW1

nicr8020 characteristic

Chemical Content %: 80.00 Nickel, 20.00 Chrome

Max continuous service temperature: 1200°C

Resisivity: 1.09 mm²Ω /m

Density: 8.4g/cm³

Thermal conductivity: 60.3kj/mhc

Coefficient of thermal expansion: 18*10⁻⁶/c

Melting point: 1400°C

Elongation: Min 20%

Austenite

Nonmagnetic

Performance material		Cr10Ni90	Cr20Ni80	Cr30Ni70	Cr15Ni60	Cr20Ni35	Cr20Ni30
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/cm ³		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

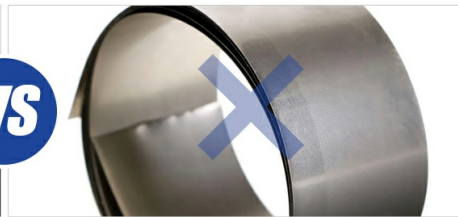
The quality of our products has been strictly tested and guaranteed



OTHERS



Smooth Edges



Uneven Edges



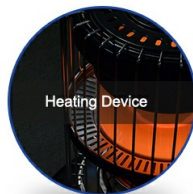
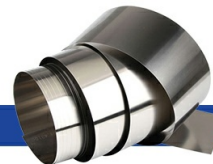
Standard Material Content



Substandard Products

Application Field

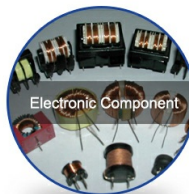
Nichrome strips are widely used in many fields



Heating Device



Resistive Element



Electronic Component



Welding Materials



Chemical Equipment



Auto Industry



Medical Instruments



Solar Battery

Product Process

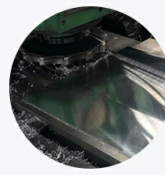
The production process and technology used in the product



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



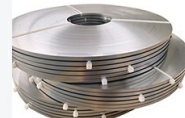
Nickel Strip



Monel Strip



Nickel Wire



Inconel Strip



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