



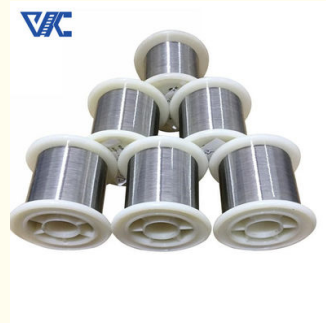
80 20 Nichrome Alloy Heating NiCr Nichrome Cr20Ni80 Resistance Wire Ni80

Our Product Introduction

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

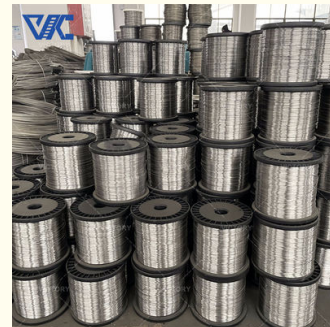
Basic Information

- 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): 89%
- Tensile Strength: 637MPA
- Magnetic Permeability: 0.78+/-0.05
- Elongation: ≥20%
- Application: Heating, Resistivity
- Condition: Hard / Soft
- Surface: Bright, Oxided, Acide
- Delivery Time: 7-20 Days
- Name: NiCr Alloy Wire
- Highlight: **Cr20Ni80 Resistance Wire, 20 Nichrome Alloy, Ni80 Nichrome Alloy**



More Images



Product Description

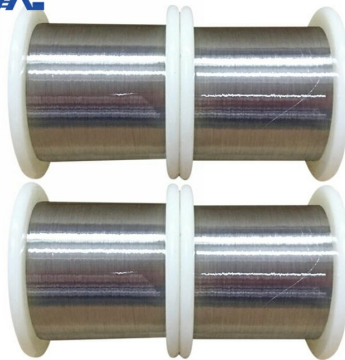
Introduction:

Cr20Ni80 alloy wire is a high-resistance alloy wire composed of 20% chromium and 80% nickel. It has high resistivity and good oxidation resistance, and is suitable for high-temperature heating, electric furnace heating, electric heating devices and other applications. This alloy wire is widely used in industrial heating and electric

Our Product Introduction

heating fields.

Cr20Ni80 alloy wire is very suitable for manufacturing electric heating wires due to its high temperature stability and resistance temperature characteristics. Heating wire is a filament-shaped heating element that can heat quickly in high temperature environments. Cr20Ni80 alloy wire is often made into electric heating wire by winding or braiding. When manufacturing electric heating wire, Cr20Ni80 alloy wire is usually wound into a thin diameter or braided into a filament-like structure. This filament-like structure allows the electric heating wire to create a larger surface area, thereby improving heat transfer efficiency. By energizing the electric current through the Cr20Ni80 alloy wire, the resistance heating effect converts electrical energy into thermal energy, causing the electric heating wire to heat up rapidly. Heating wires are widely used in various fields, including industrial heaters, household appliances, experiments and research, etc. They can be used to heat air, liquid and solid media to achieve functions such as heating, drying, heat treatment and laboratory temperature control.



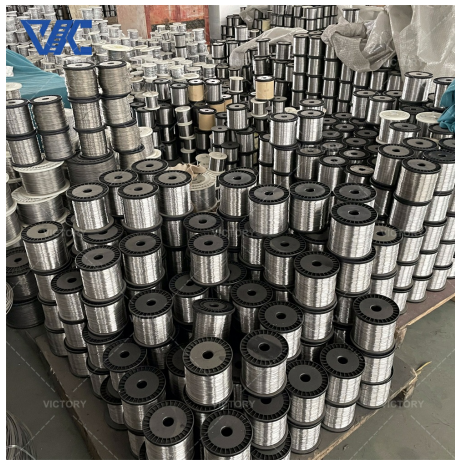
Technical Parameters:

Performance material		Cr10Ni90	Cr20Ni80	Cr30Ni70	Cr15Ni60	Cr20Ni35
Composición	Ni	90	Rest	Rest	55.0 61.0	34.0 37.0
	Cr	10	20.0 23.0	28.0 31.0	15.0 18.0	18.0 21.0
	Fe		≤1.0	≤1.0	Rest	Rest
Temperatura máxima °C		1300	1200	1250	1150	1100
Punto de fusion °C		1400	1400	1380	1390	1390
Densidad g/cm3		8.7	8.4	8.1	8.2	7.9
Resistividad μΩ·m, 20°C		0.76±0.05	1.09±0.05	1.18±0.05	1.12±0.05	1.00±0.05
Alargamiento a la ruptura		≥20	≥20	≥20	≥20	≥20
Calor específico J/g·°C			0.44	0.461	0.494	0.5
Conductividad térmica KJ/m.h°C			60.3	45.2	45.2	43.8
Coeficiente de expansión de líneas α×10-6/(20 1000°C)			18	17	17	19
Estructura micrográfica			Austenite	Austenite	Austenite	Austenite
Propiedades magnéticas			Nonmagnetic	Nonmagnetic	Nonmagnetic	Weak magnetic

Form	Specification	
Wire	Diameter=0.025mm~8mm	
Flat wire	Width=0.40~6.0mm	Thick=0.03~0.50mm
Strip	width=8~250mm	Thick=0.05~3.0mm
Bar	Diameter=8~100mm	Long=50~1000

Service:

We are committed to providing customers with a full range of nickel-chromium alloy technical support and services to ensure the normal operation of their products. We have an experienced technical team that can provide customers with various professional services such as installation, maintenance and troubleshooting. No matter what problem or need our customers face, we are here to provide answers and support.



contact us
email: victory@dlx-alloy.com

Oem service:
 Welcome customized size
 We are experience factory for OEM&ODM service

Size dimension range:

Wire: 0.01-10mm
 Ribbons: 0.05*0.2-2.0*6.0mm
 Strip: 0.05*5.0-5.0*250mm
 NiCr series: Cr20Ni80, Cr30Ni70, Cr15Ni60, Cr20Ni35, Cr20Ni30

Packing and Shipping:

Sturdy cardboard boxes are used for packaging NiCr Alloy.
 Each box has dimensions of approximately 26 cm (length) x 26 cm (width) x 30 cm (height).
 The shipping method for NiCr Alloy depends on the customer's requirements.

FAQ :

What do our services include?

Our services include customized solutions, technical support, product quality testing, after-sales support and quick response to customer needs.

What are the special characteristics of Cr20Ni80 alloy wire compared with other materials?

Cr20Ni80 alloy wire has high resistivity, good high temperature resistance and corrosion resistance, giving it advantages in high temperature environments and special working conditions.

What is the service life of Cr20Ni80 alloy wire?

The service life of Cr20Ni80 alloy wire depends on the specific application conditions and usage. Correct installation, use and maintenance can extend its service life.



Changzhou Victory Technology Co., Ltd

+8619906119641

victory@dlx-alloy.com

victory-alloy.com

NO.32 West Taihu Road, Xinbei District, Changzhou, Jiangsu