



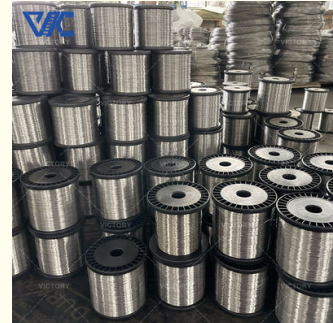
Cr10Ni90 NiCr Alloy Heaters For Industrial Applications And High Temperature Needs

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: Cr10Ni90
- Minimum Order Quantity: 5 Kg
- Price: Negotiable
- 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: **Cr10Ni90 NiCr Alloy Heaters, Industrial NiCr Alloy Heaters, Industrial Nichrome Alloy**



Product Description

Cr10Ni90 NiCr Alloy Heaters For Industrial Applications And High Temperature Needs Product Description:

Cr10Ni90 alloy wire is a high-performance nickel-based alloy wire containing 10% chromium and 90% nickel. It has excellent corrosion and oxidation resistance, allowing it to perform well in harsh environments. This alloy wire is widely used in the chemical industry, oil and gas industry, etc. to manufacture corrosion-resistant equipment and components.

In addition, Cr10Ni90 alloy wire also has good mechanical properties and can withstand high stress and heavy load conditions, so it is widely used in applications requiring high strength and durability.

Cr10Ni90 characteristics:

1. High temperature stability: Cr10Ni90 alloy wire can maintain good stability in high temperature environments

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and is not easy to deform or anneal. It is suitable for high temperature heating and resistor applications.

2. Corrosion resistance: Cr10Ni90 alloy wire has good corrosion resistance and has good resistance to some common chemicals and corrosive media.

3. Resistance characteristics: Cr10Ni90 alloy wire has high resistance and temperature coefficient, allowing it to stably generate heat in resistors and heating elements, and has good resistance change characteristics.

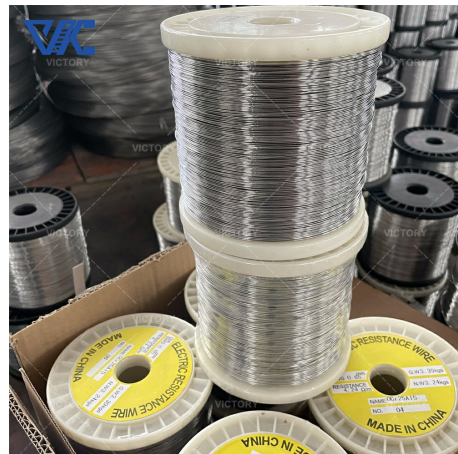
Technical Parameters:

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:

Your unique needs are at the forefront of our NiCr alloy heater customization. We can tailor the heaters to match your desired parameters, such as size, shape, and power specifications. Our goal is to deliver exceptional performance and desired outcomes. Moreover, our dedicated technical support and reliable after-sales service ensure your complete satisfaction and the durability of our products.



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

Shipping:

The shipping method for NiCr Alloy depends on the customer's requirements.
Two options are mentioned: airmail and sea freight.
Airmail is a faster but relatively more expensive shipping option, suitable for customers who require quick delivery.
Sea freight is a cost-effective shipping option that is commonly used for transporting bulk quantities of goods over longer distances.

FAQ :

What applications can Cr10Ni90 alloy wire be used for?

Cr10Ni90 alloy wire can be widely used in furnace wires, heating wires, electric furnaces, resistors, heaters, heating elements and other fields.

What is the packaging method of Cr10Ni90 alloy wire?

We usually use coiled, spooled or customized packaging to ensure the safety and integrity of Cr10Ni90 alloy wire during transportation.

How to choose suitable Cr10Ni90 alloy wire specifications?

Selecting the appropriate size depends on the specific application needs, including heating power, current load, heating time and other factors.



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