



High Temperature Stability And Oxidation Cr10Ni90 Resistance Wire NiCr Alloy

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
- 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 Resistance Wire, Oxidation NiCr Alloy, Cr10Ni90 Nichrome Alloy



More Images



Product Description

High-Temperature Stability And Oxidation Cr10Ni90 Resistance Wire NiCr Alloy Product Description:

NiCr alloy heaters provide you with high-efficiency and reliable heating solutions.

NiCr alloy heater is an advanced resistance heating element widely used in various industrial fields. Whether it is an air heater or a liquid heater, NiCr alloy heaters can meet your needs and bring excellent performance to your production process.

Our NiCr alloy heaters offer many unique features and benefits. First, they have excellent high temperature resistance and can work stably under extreme temperature conditions. This makes them ideal for a variety of processes and applications requiring high-temperature heating.

Secondly, NiCr alloy heaters have fast heating response capabilities and can quickly heat up the heater to the

Our Product Introduction

required temperature. This is critical in applications requiring rapid heating and precise temperature control.

In addition, NiCr alloy heaters have excellent mechanical properties and corrosion resistance, and can withstand harsh working environments and chemical conditions, ensuring long-term and stable heating performance. They also have high-efficiency conversion capabilities, converting most electrical energy into thermal energy, improving energy utilization and reducing energy waste.



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:

Our NiCr alloy heaters can be customized to your specific needs. Whether it is parameters such as size, shape or power, we can design it according to your requirements to ensure the best performance and effect. We also provide a full range of technical support and after-sales service to ensure your satisfaction and long-term product reliability.

We understand your concerns about product safety. Therefore, our NiCr alloy heaters adopt multiple safety measures, such as overload protection and overheating protection, to ensure safety and reliability during use.

When you choose our NiCr alloy heaters, you get a heating solution that combines high efficiency, reliability and flexibility. We are committed to providing you with the highest quality products and services to help you improve production efficiency and reduce energy consumption.



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 is the role of NiCr alloy in the heat treatment process?

NiCr alloys are used as heating elements during heat treatment processes, providing the required heating capabilities, such as annealing and tempering processes, to improve the mechanical properties of ceramic and glass materials.

What are the applications of NiCr alloy in glass manufacturing?

NiCr alloys are widely used in glass manufacturing processes such as blowing, molding and heat bending to provide the required heating capabilities.

What is the difference between NiCr alloy and other alloys?

There are many variations of NiCr alloys with different compositions, such as NiCr 60/15, NiCr 70/30, etc. Each alloy has specific properties and application areas.



Changzhou Victory Technology Co., Ltd



+8619906119641



victory@dlx-alloy.com



victory-alloy.com

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