



Factory Price Cr10Ni90 Cr20Ni80 Cr30Ni70 Cr15Ni60 Nichrome Heating Resistance Wire

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE
- Model Number: Cr10Ni90 Cr20Ni80 Cr30Ni70 Cr15Ni60
- Minimum Order Quantity: 5
- Price: 5-100Kg, \$20-\$30 per kg
- 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: Cr10Ni90 Cr20Ni80 Cr30Ni70 Cr15Ni60
- 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: Cr15Ni60 Nichrome Heating Resistance Wire, Nichrome Heating Resistance Wire, Cr30Ni70 Nichrome Heating Resistance Wire



More Images



Product Description

Introduction:

1. High Resistance: Nichrome wire has a high resistance to electrical current, allowing it to generate heat efficiently when electricity passes through it.
Heat Resistance: Nichrome wire can withstand high temperatures without degrading, making it suitable for use in heating elements.
Corrosion Resistance: Nichrome wire is resistant to oxidation and corrosion, ensuring a longer lifespan in various heating applications.
Fast Heating: Due to its high resistance, Nichrome wire heats up quickly, providing rapid heat generation in heating devices.
Durable: Nichrome wire is durable and can withstand repeated heating cycles without significant degradation in performance.
2. Tensile Strength: Typically ranges from 600 to 900 MPa.
Yield Strength: Around 275 to 550 MPa.

Our Product Introduction

Elongation: Generally between 20% to 35%.

Hardness: Varies depending on the specific alloy composition.

These properties can vary based on the specific grade and manufacturer of the Nichrome flat wire.

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:

Safety is our utmost priority when it comes to our NiCr alloy heaters. We have implemented multiple safety measures, including overload protection and overheating protection, to ensure the safe and reliable operation of our heaters. You can have peace of mind knowing that our products prioritize your safety and provide a secure heating solution.



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 are the typical mechanical properties of NiCr Alloy?

The mechanical properties of NiCr Alloy can vary depending on the specific composition and heat treatment. Generally, it exhibits high strength, good ductility, and excellent creep resistance at elevated temperatures.

What is the cost of NiCr alloy?

The cost of NiCr alloys is generally lower and more economical than other high-temperature alloys (such as tungsten-molybdenum alloys). This makes NiCr alloys a popular choice in many applications.

Do you provide technical support for Cr10Ni90 alloy wire?

Yes, we provide technical support for Cr10Ni90 alloy wire, including selection suggestions, application guidance, etc.



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