



Nickel Alloy Nichrome Cr20Ni80 80/20 NiCr Electric Heating Alloy Wire

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE
- Model Number: Cr20Ni30
- 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

- Max. Continuous Service Temp. Of Element(°C): 1100
- Melting Point: 1390
- Resistivity: 1.04 ± 0.05
- Density(g/cm³): 7.9
- Thermal Conductivity (KJ/m·h·°C): 43.8
- Coefficient Of Lines Expansion($\alpha \times 10^{-6}/^{\circ}\text{C}$): 19
- Melting Point Approx.(°C): 1390
- Elongation At Rupture(%): >20
- Highlight: Heating Nichrome Alloy, Cr20Ni30 Nichrome Alloy, nichrome ribbon wire



More Images



Product Description

Cr20Ni30 is an exceptional material that offers a range of desirable properties, making it an ideal choice for various applications. It is known for its excellent ductility, workability, and weldability, even under high temperatures and seismic stress. This material is particularly useful in situations where high strength and durability are crucial.

One of the key features of Cr20Ni30 is its high and stable resistance to corrosion. This makes it an excellent choice for applications where the material will be exposed to harsh environments or corrosive substances. Additionally, the material has outstanding surface oxidation resistance, making it suitable for use in high-temperature settings.

Another advantage of Cr20Ni30 is its exceptional coil-forming ability. This property makes it easy to shape and mold the material into various forms and shapes, making it highly versatile and useful in a wide range of

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applications.

Overall, Cr20Ni30 is a highly desirable material that offers a range of properties that make it an excellent choice for various industrial and commercial applications. Its high strength, durability, and resistance to corrosion and oxidation make it an ideal choice for use in harsh environments, while its excellent coil-forming ability makes it easy to work with and shape to meet specific needs.

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

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



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