



Cr20Ni80 NiCr 8020 Alloy Nichrome Wire Nickel Chrome Resistance Wire For Heating Element

Our Product Introduction

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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): 77%
- Resistivity: 1.09+/-0.05
- Tensile Strength: 637MPA
- Elongation: ≥20%
- Application: Heating, Resistivity
- Condition: Hard / Soft
- Surface: Bright, Oxided, Acide
- Delivery Time: 7-20 Days
- Name: Resistance Wire
- Highlight: Corrosion Resistance Nichrome Alloy, Nichrome Alloy Cr20Ni80, nichrome wire resistor



More Images



Product Description

Nichrome Cr20Ni80 Cr10Ni90 Cr15Ni60 Cr30Ni70 Cr20Ni30 Electric Heating Resistance Wire Coil For Vapes

NiCr Series

Cr20Ni80 is an ideal material, it has good ductility, workability and weldability under high temperature and seismic strength. Nickel-chromium alloy with high and stable resistance, corrosion resistance, surface oxidation resistance, excellent coil-forming ability.

Nichrome wire is made of a non-magnetic alloy composed primarily of nickel, chromium, and iron. It is characterized by its high resistivity and good oxidation resistance. Nichrome wire also has good ductility after use and excellent weldability.

All these properties make it possible to use nichrome wires and strips for the manufacture of heating elements in laboratory and industrial electric furnaces, various electrical devices of thermal action, for example, in heat guns

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and industrial hair dryers, as well as water heating systems, high-value electrical resistors, heating cords and cables.

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

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



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