



High Quality Resistance Alloy Nichrome 80 20 Nicr 60/15 Nichrome Wire

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

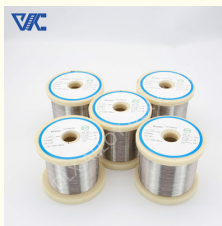


Product Specification

- 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: Cr20Ni80 Nichrome Alloy, Nichrome Alloy Micc, Cr20Ni80 nickel chrome resistance wire



More Images



Product Description

Cr20Ni80 Nickel Chrome Alloy Wire Micc Nickel Chrome Resistance Alloy Wire **Cr20Ni80**

NiCr Series

Nichrome wire is a non-magnetic alloy consisting mainly of nickel, chromium, and iron. It has high resistivity and good oxidation resistance, as well as good ductility and weldability. Due to these properties, nichrome wire and strips are commonly used to produce heating elements in electric furnaces, thermal devices, heat guns, industrial hair dryers, 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

Our Product Introduction

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

nicr8020 characteristic
 Chemical Content %: 80.00 Nickel, 20.00 Chrome
 Max continuous service temperature: 1200°C
 Resisivity: 1.09 mm²Ω /m
 Density: 8.4g/cm³
 Thermal conductivity: 60.3kj/mhc
 Coefficient of thermal expansion: 18*10-6/c
 Melting point: 1400°C
 Elongation: Min 20%
 Austenite:Nonmagnetic



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