



Ni80Cr20 Electric Resistance Heating Alloy Wire Nichrome Ni90Cr10 Ni80Cr20 Ni60Cr15 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 wire alloy, 2mm nichrome wire alloy, nichrome wire 80 20**



More Images



Product Description

2mm Cr20Ni80 Nickel Chrome Electric Heating Element Flat Resistance Wire

80/20 Ni Cr Resistance Wire is a highly versatile alloy that can be used in a wide range of applications. This alloy is capable of operating at temperatures of up to 1200°C (2200°F), making it an excellent choice for use in heating elements, wire-wound resistors, and other industrial and domestic appliances. Its chemical composition provides excellent oxidation resistance, making it particularly suitable for use in environments where frequent switching or wide temperature fluctuations are common.

Due to its unique properties, 80/20 Ni Cr Resistance Wire is widely used in the aerospace industry, where it is used in a variety of applications. This alloy is also known by several other names, including Nichrome / Nichrome V, Brightray C, Cronix 80, Microthal 80, Chromalloy, Chromel, and

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In addition to its excellent resistance to oxidation, 80/20 Ni Cr Resistance Wire is also highly durable and long-lasting. This makes it an ideal choice for use in applications where reliability is critical. Whether you are looking for a heating element for your home or business, or need a wire-wound resistor for an industrial application, 80/20 Ni Cr Resistance Wire is an excellent choice that will provide reliable performance for years to come.

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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