



Nichrome Wire Nichrome Alloy With High Thermal Conductivity And Tensile Strength

Our Product Introduction

Basic Information

- Place of Origin: China JiangSu
- Brand Name: Victory alloy
- Certification: CE
- Model Number: Nichrome
- 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

- Tensile Strength: 400-500 MPa
- Chemical Composition: Ni-Cr-Fe
- Thermal Conductivity: 15-20 W/mK
- Electrical Resistivity: 1.1-1.2 $\mu\Omega\text{m}$
- Yield Strength: 200-300 MPa
- Name: Nichrome Alloy
- Elongation: 20-30%
- Applications: Heating Elements, Furnaces, Electrical Components
- Highlight: **High Tensile Strength Nichrome Wire, High Thermal Conductivity Nichrome Wire, Nichrome Alloy Nichrome Wire**

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Product Description

Product Description:

One of the main applications of Nichrome Alloy is in the manufacturing of Nichrome coil, which is widely used in the heating industry. Nichrome coil is made of Cr20Ni80, a type of Nichrome Alloy that contains 20% chromium and 80% nickel. This alloy has a melting point of 1400°C and a maximum operating temperature of 1200°C. In addition, it has a high yield strength of 200-300 MPa and a density of 8.4 G/cm³.

The Nichrome Alloy is also used in the production of furnaces and electrical components. Thanks to its excellent high-temperature properties, it can withstand temperatures of up to 1200°C without losing its mechanical strength. This makes it an ideal material for use in high-temperature applications.

Another advantage of Nichrome Alloy is its resistance to oxidation and high-temperature corrosion. This property makes it an ideal material for use in harsh environments where other materials would quickly degrade. Nichrome Alloy can withstand exposure to high temperatures and corrosive agents without being damaged, which makes it a popular choice for many industrial applications.

In summary, the Nichrome Alloy is a high-quality material that is widely used in the manufacturing of Nichrome coil, furnaces, and electrical components. It has excellent high-temperature properties, a high yield strength, and a density of 8.4 G/cm³. Its non-magnetic properties make it an ideal material for use in many industrial applications.

Features:

Product Name: Nichrome Alloy

Density: 8.4 G/cm³

Forms:

Wire

Sheet

Strip

Rod

Tube

Electrical Resistivity: 1.1-1.2 $\mu\Omega\text{m}$

Corrosion Resistance: Excellent

Some additional keywords:

Cr20Ni80

Nichrome wire

Nichrome heating elements

Technical Parameters:

Parameter	Value
Tensile Strength	400-500 MPa
Density	8.4 G/cm ³
Yield Strength	200-300 MPa
Elongation	20-30%
Name	Nichrome Alloy
Melting Point	1400-1450°C
Corrosion Resistance	Excellent
Hardness	HV400-500
Forms	Wire, Sheet, Strip, Rod, Tube
Chemical Composition	Ni-Cr-Fe

Applications:

The Nichrome Alloy is widely used in the production of heating elements for electric ovens, furnaces, and other high-temperature applications. It is also used in the production of heating coils for hair dryers, toasters, and other household appliances. The Nichrome Alloy is also used in the production of heating elements for industrial processes such as heat treatment, annealing, and sintering. It is a highly durable and long-lasting product that can withstand high temperatures and is resistant to oxidation and corrosion.

The Nichrome Alloy is available in spool packages with carton boxes and coil packages with polybags for resistance wire. The delivery time for the product is 5-21 days, and the payment terms include L/C, T/T, Western Union, and MoneyGram. The supply ability for Nichrome Alloy is 300 tons per month, making it readily available for various industries.

The Nichrome Alloy has a melting point of 1400-1450°C and is non-magnetic in nature. It has a density of 8.4 G/cm³ and an electrical resistivity of 1.1-1.2 $\mu\Omega\text{m}$, making it an efficient and effective heating element. Its unique properties make it an ideal product for applications that require high-temperature heating, durability, and resistance to oxidation and corrosion.

In conclusion, the Nichrome Alloy is a highly versatile and efficient product that finds its application in a variety of fields. It is widely used

in the production of nichrome heating elements for both household and industrial purposes due to its high resistivity and high melting point. With Victory alloy's Nichrome Alloy, you can be assured of a reliable and long-lasting product that can withstand high temperatures and resist oxidation and corrosion.

Customization:

Customers can choose from two packaging options for resistance wire: spool package with carton box or coil package with polybag. The delivery time for this product ranges from 5-21 days, and payment can be made through L/C, T/T, Western Union, or MoneyGram. The supply ability for this product is 300 tons per month.

One of the best properties of Nichrome is its excellent corrosion resistance and thermal conductivity of 15-20 W/mK. The chemical composition of this product is Ni-Cr-Fe, making it a reliable and durable option for heating elements. Contact Victory Alloy to learn more about their customization services for Nichrome wire, coil, and other forms.

Support and Services:

Our Nichrome Alloy product is backed by our technical support and services team, who are available to assist you with any questions or issues you may have. Our experts can provide guidance on product selection, installation, operation, and maintenance to ensure the optimal performance and longevity of your Nichrome Alloy product. In addition, we offer repair and replacement services for any defective or damaged products. Contact us for more information on how we can support your needs.

Packing and Shipping:

Product Packaging:

1 kg or 25 kg spools

Wrapped in plastic and packed in boxes

Boxes labeled with product name, alloy composition, and weight

Shipping:

Shipped within 2-3 business days of order confirmation

Shipping options available: standard, expedited, or overnight

Shipping prices calculated at checkout

International shipping available



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