Nichrome Alloy The Ultimate Material for Long-lasting Heating Elements

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

- Thermal Expansion: 13-17 μm/mK
- Thermal Conductivity: 15-20 W/mK
- Elongation: 20-30%
- Density: 8.4 G/cm3
- Electrical Resistivity: 1.1-1.2 μΩm
- Hardness: HV400-500
- Melting Point: 1400-1450°C
- Yield Strength: 200-300 MPa
- Highlight: **Heating Elements Nichrome Alloy**, **Ultimate Nichrome Alloy**, **Long-lasting Nichrome Alloy**

Product Description

Product Description:

One of the most widely used types of nichrome alloy is Cr20Ni80. This alloy has a high nickel content of 80% and chromium content of 20%. It is known for its high resistance to oxidation and corrosion, making it ideal for use in environments where exposure to high temperatures and corrosive agents is expected. Cr20Ni80 is also a popular choice for heating elements in a wide variety of industrial and commercial applications.
Another key attribute of Nichrome Alloy is its non-magnetic properties. This characteristic makes it an excellent choice for use in applications where magnetic interference is a concern. For example, it is ideal for use in electronic devices and medical equipment where magnetic fields could interfere with the functionality of the equipment.
In addition to its high temperature and corrosion resistance, the Nichrome Alloy is also known for its high hardness. It has a hardness rating of HV400-500, making it a durable and long-lasting material for use in a wide range of applications.
Overall, Nichrome Alloy is a versatile and reliable material that is widely used in the production of nichrome heating elements. Its excellent thermal conductivity, high resistance to corrosion and oxidation, non-magnetic properties, and high hardness make it an ideal choice for a wide range of industrial and commercial applications.

Features:

Product Name: Nichrome Alloy
Tensile Strength: 400-500 MPa
Forms: Wire, Sheet, Strip, Rod, Tube
Electrical Resistivity: 1.1-1.2 μΩm
Chemical Composition: Ni-Cr-Fe
Elongation: 20-30%
Our Nichrome Alloy product, also known as Cr20Ni80, is a high strength alloy with a tensile strength of 400-500 MPa. It comes in various forms including wire, sheet, strip, rod, and tube. With an electrical resistivity of 1.1-1.2 μΩm and a chemical composition of Ni-Cr-Fe, this alloy is perfect for creating Nichrome coils. It also has an elongation of 20-30%, making it a versatile and durable material for various applications.

Technical Parameters:

Applications	Heating Elements, Furnaces, Electrical Components
Electrical Resistivity	1.1-1.2 μΩm
Thermal Expansion	13-17 μm/mK
Elongation	20-30%
Thermal Conductivity	15-20 W/mK
Yield Strength	200-300 MPa
Corrosion Resistance	Excellent
Melting Point	1400-1450°C
Forms	Wire, Sheet, Strip, Rod, Tube
Hardness	HV400-500

Applications:

Victory alloy Nichrome Alloy Product Application Occasions and Scenarios
The Victory alloy Nichrome Alloy, also known as Cr20Ni80, is a versatile product with a variety of applications. The product is made in China JiangSu and has received the CE certification. The minimum order quantity is 5, and the product is available in wire, sheet, strip, rod, and tube forms. The following are some of the scenarios where Nichrome wire can be used:
Heating Elements: Nichrome Alloy is widely used in heating elements due to its high resistance and excellent corrosion resistance. It is commonly used in ovens, hair dryers, toasters, and other heating appliances.
Furnace Components: Nichrome Alloy is used in furnace components due to its ability to withstand high temperatures. It is commonly used in industrial furnaces, kilns, and other high-temperature applications.
Resistance Wires: Nichrome Alloy is used in resistance wires due to its high resistance and thermal expansion. It is commonly used in electronic devices, such as heating pads, and in automotive applications.
Electrical Appliances: Nichrome Alloy is used in electrical appliances due to its chemical composition. It is commonly used in toasters, irons, and other electrical appliances.
The Nichrome Alloy has a density of 8.4 G/cm3 and a thermal expansion of 13-17 μm/mK. The product is packaged in spool packages with carton boxes or coil packages with polybags. The delivery time is 5-21 days, and the payment terms include L/C, T/T, Western Union, and MoneyGram. The product has a supply ability of 300 tons per month.
Overall, the Victory alloy Nichrome Alloy is a high-quality product with excellent corrosion resistance, making it ideal for a variety of applications. Whether you are looking for a heating element, furnace component, or resistance wire, the Nichrome Alloy is a reliable choice.

Customization:

Our minimum order quantity is 5, and we offer packaging options such as spool packages with carton boxes and coil packages with polybags. Our delivery time ranges from 5-21 days, and we accept payment terms such as L/C, T/T, Western Union, and MoneyGram. We have a supply ability of 300 tons per month and a yield strength of 200-300 MPa.

Support and Services:

The Nichrome Alloy is a high-resistance alloy made of nickel, chromium, and sometimes iron. It is commonly used in heating elements, furnace components, and electrical appliances. Our product technical support and services for Nichrome Alloy include:

Expert advice on material selection, design, and processing

Customized alloy composition and manufacturing

Testing and analysis of physical and mechanical properties

Technical documentation and material certification

On-site technical support and troubleshooting

Training and education on proper handling, installation, and maintenance

Our team of specialists is dedicated to providing the highest level of technical support and services to help you achieve optimal performance and efficiency with your Nichrome Alloy applications.

Packing and Shipping:

Product Packaging:
The Nichrome Alloy product will be packaged in a sturdy cardboard box to ensure safe transportation. The box will be labeled with the product name, specifications, and safety instructions.
Shipping:
Our standard shipping method for the Nichrome Alloy product is through a reliable courier service. The estimated delivery time varies depending on the destination, but usually takes between 3-7 business days. We also offer expedited shipping options for an additional fee. Customers will receive a tracking number once the order has shipped.

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