



Nichrome Alloy The Superior Choice For Industrial Heating Applications

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

- Forms: Wire, Sheet, Strip, Rod, Tube
- Elongation: 20-30%
- Melting Point: 1400-1450°C
- Hardness: HV400-500
- Chemical Composition: Ni-Cr-Fe
- Name: Nichrome Alloy
- Thermal Expansion: 13-17 $\mu\text{m/mK}$
- Applications: Heating Elements, Furnaces, Electrical Components
- Highlight: **Industrial Heating Nichrome Alloy,
Superior Choice Nichrome Alloy,
Nichrome Alloy For Industrial Heating**

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Product Description

Product Description:

The Nichrome Alloy has an elongation of 20-30% which means it can stretch up to 30% of its original length before breaking. This property makes it an ideal material for use in nichrome heating elements, as it can withstand high temperatures and can be bent into various shapes and sizes without breaking. Additionally, the Nichrome Alloy has a yield strength of 200-300 MPa, which means it can withstand a considerable amount of tension without breaking or deforming.

The Nichrome Alloy has excellent thermal conductivity, with a thermal conductivity rating of 15-20 W/mK. This attribute makes it an ideal material for use in nichrome coil, which is used in heating applications such as furnaces, ovens, and resistive heating elements. The Nichrome Alloy can quickly and efficiently transfer heat, making it an excellent choice for applications that require high temperatures. The Nichrome Alloy has a thermal expansion rate of 13-17 $\mu\text{m/mK}$. This attribute means that the Nichrome Alloy can expand and contract as temperatures change without becoming deformed or damaged. This property makes it an ideal material for use in nichrome heating elements, as it can withstand the constant changes in temperature without breaking or becoming damaged.

The Nichrome Alloy has excellent corrosion resistance, making it an ideal material for use in harsh environments. This attribute makes it an excellent choice for applications that require resistance to corrosion and oxidation, such as in chemical processing plants and marine applications. The Nichrome Alloy can withstand exposure to harsh chemicals and saltwater without becoming damaged or corroded. In conclusion, the Nichrome Alloy is a reliable and versatile material that is widely used in various industries. Its exceptional properties such as excellent thermal conductivity, high elongation, excellent corrosion resistance, and its ability to expand and contract without becoming damaged make it an ideal material for use in nichrome wire, nichrome heating elements, and nichrome coil.

Features:

Product Name: Nichrome Alloy

Applications: Heating Elements, Furnaces, Electrical Components

Melting Point: 1400-1450°C

Hardness: HV400-500

Thermal Conductivity: 15-20 W/mK

Tensile Strength: 400-500 MPa

Some common uses for Nichrome Alloy include:

Nichrome wire for heating elements

Nichrome heating elements for furnaces

Nichrome Alloy in electrical components

Technical Parameters:

Melting Point	1400-1450°C
Forms	Wire, Sheet, Strip, Rod, Tube
Electrical Resistivity	1.1-1.2 $\mu\Omega\text{m}$
Chemical Composition	Ni-Cr-Fe
Tensile Strength	400-500 MPa
Magnetic Properties	Non-magnetic
Yield Strength	200-300 MPa
Thermal Expansion	13-17 $\mu\text{m/mK}$
Density	8.4 G/cm ³
Applications	Heating Elements, Furnaces, Electrical Components

Applications:

One of the most common applications for Nichrome Alloy is in the creation of Nichrome coils. These coils are used in a variety of electrical appliances, including toasters, hair dryers, and space heaters. The material's high melting point and excellent heat resistance make it an ideal choice for these types of applications.

The Cr20Ni80 alloy is particularly popular for its unique combination of hardness and non-magnetic properties. This makes it a popular choice for use in precision instruments and other applications where magnetic interference could be a problem.

The Victory Alloy Nichrome product is made in China, specifically in the JiangSu province. It has been certified by CE and has a minimum order quantity of 5. The packaging details vary depending on the form in which the material is purchased, with spool packages with carton boxes being used for resistance wire and coil packages with polybags being used for Nichrome coils. Delivery time ranges from 5 to 21 days, and payment terms include L/C, T/T, Western Union, and MoneyGram. The supply ability is 300 tons per month.

In addition to wire and coils, this material is available in other forms including sheet, strip, rod, and tube. Its density of 8.4 G/cm³ makes it a relatively lightweight material, while its excellent corrosion resistance ensures that it will last for many years to come.

Overall, the Victory Alloy Nichrome product is an excellent choice for anyone looking for a durable, versatile, and reliable material for a wide range of applications. Whether you're in the market for resistance wire, Nichrome coils, or any other form of this material, you can rest assured that you're getting a high-quality product that has been tested and certified to meet the highest standards of quality and performance.

Support and Services:

The Nichrome Alloy product technical support and services provided include:

Assistance with product selection and compatibility with specific applications

Guidance on proper installation and use of the product

Technical troubleshooting and problem-solving

Training on product operation and maintenance

Product repair and replacement services

Assistance with product specifications and customization

Our team of experienced professionals is dedicated to providing exceptional technical support and services to ensure that our customers get the most out of their Nichrome Alloy products.

Packing and Shipping:

Product Packaging:

The Nichrome Alloy product will be carefully packaged to ensure its safe delivery to your doorstep. It will be packed in a sturdy cardboard box with sufficient cushioning material to prevent any damage during transit.

Shipping:

We offer worldwide shipping of our Nichrome Alloy product. Shipping costs will vary based on the shipping destination and the weight of the package. We use reliable shipping carriers to ensure that your order is delivered safely and on time.



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