



## Corrosion Resistant Nichrome Wire With Tensile Strength 400-500 MPa

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

- Hardness: HV400-500
- Thermal Expansion: 13-17  $\mu\text{m/mK}$
- Corrosion Resistance: Excellent
- Applications: Heating Elements, Furnaces, Electrical Components
- Chemical Composition: Ni-Cr-Fe
- Density: 8.4 G/cm<sup>3</sup>
- Thermal Conductivity: 15-20 W/mK
- Yield Strength: 200-300 MPa
- Highlight: **400-500 MPa Nichrome wire, high Tensile Strength Nichrome wire, Corrosion Resistant Nichrome wire**

for more products please visit us on [victory-alloy.com](http://victory-alloy.com)

## Product Description

### Product Description:

With a tensile strength of 400-500 MPa, the Nichrome Alloy is highly durable and can withstand high temperatures. Its electrical resistivity of 1.1-1.2  $\mu\Omega\text{m}$  makes it an excellent conductor of electricity and allows it to generate heat efficiently.

In addition, the Nichrome Alloy has an elongation of 20-30% and a yield strength of 200-300 MPa, which means it can be easily shaped and molded into various forms and sizes without losing its structural integrity.

The Nichrome Alloy is commonly used in the production of nichrome heating elements, which are widely used in various industries such as automotive, aerospace, and chemical. The nichrome heating elements are used for heating liquids, gases, and solids to high temperatures.

Moreover, the Nichrome wire is also used in the manufacturing of electric heating appliances such as toasters, hair dryers, and ovens.

This is because of its ability to generate heat quickly and efficiently, which makes it an ideal material for heating applications.

In summary, the Nichrome Alloy is a highly durable and efficient material that is widely used for manufacturing nichrome heating elements, furnaces, and electrical components. Its high tensile strength, electrical resistivity, and elongation make it an excellent conductor of electricity and heat.

### Features:

Product Name: Nichrome Alloy

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

Hardness: HV400-500

Density: 8.4 G/cm<sup>3</sup>

Thermal Conductivity: 15-20 W/mK

Used for Nichrome wire

Can be used for nichrome heating elements

Also known as Nichrome wire

### Technical Parameters:

Melting Point:	1400-1450°C
Thermal Conductivity:	15-20 W/mK
Electrical Resistivity:	1.1-1.2 $\mu\Omega\text{m}$
Thermal Expansion:	13-17 $\mu\text{m/mK}$
Elongation:	20-30%
Corrosion Resistance:	Excellent
Forms:	Wire, Sheet, Strip, Rod, Tube
Magnetic Properties:	Non-magnetic
Tensile Strength:	400-500 MPa
Yield Strength:	200-300 MPa

### Applications:

Nichrome wire is a popular choice for heating elements due to its excellent resistance to oxidation and high melting point of 1400-1450°C. It is commonly used in industrial and commercial heating applications such as furnaces, ovens, and kilns. The hardness of HV400-500 and tensile strength of 400-500 MPa makes it durable and able to withstand high temperatures.

Aside from heating elements, Nichrome can also be used in electrical components such as resistors and thermocouples. Its electrical resistivity of 1.1-1.2  $\mu\Omega\text{m}$  makes it an ideal material for these applications.

Victory Alloy's Nichrome product is available in various forms including wire, sheet, strip, rod, and tube. It comes in spool packages with carton boxes or coil packages with polybags for resistance wire. The minimum order quantity for this product is 5 and the delivery time ranges from 5-21 days depending on the quantity ordered.

Payment terms accepted by Victory Alloy include L/C, T/T, Western Union, and MoneyGram. With a supply ability of 300 tons per month, Victory Alloy can meet the demand for Nichrome in various industries.

Overall, Nichrome is a reliable and durable material that can be used for a wide range of applications. Victory Alloy's Nichrome product offers high-quality and affordable solutions for those in need of heating elements or electrical components.

### Customization:

### Support and Services:

Nichrome Alloy is a high-temperature resistant material made of nickel, chromium, and iron. It is commonly used in heating elements, resistors, and other high-temperature applications. Our technical support team is available to assist with any questions or concerns related to the performance or installation of Nichrome Alloy products. Additionally, we offer a range of services including custom fabrication, testing, and certification to ensure the highest quality standards for our customers.

### **Packing and Shipping:**

**Product Packaging:**

Each Nichrome Alloy product will be carefully wrapped in protective packaging to ensure safe delivery.

The packaging will be sturdy and durable to prevent any damage during shipping.

All necessary labels and markings will be clearly displayed on the packaging.

**Shipping:**

We offer worldwide shipping for all of our Nichrome Alloy products.

Shipping costs will vary depending on the destination and the weight of the package.

We will provide a tracking number for your shipment so you can monitor its progress.

Delivery times will depend on the shipping method selected and the destination.



**Changzhou Victory Technology Co., Ltd**



+8619906119641



victory@dlx-alloy.com



victory-alloy.com

NO.32 West Taihu Road, Xinbei District, Changzhou, Jiangsu