



Non Magnetic HV400-500 Hardened Nitinol Alloy With Tensile Strength 200-300 MPa

Our Product Introduction

for more products please visit us on victory-alloy.com

Basic Information

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

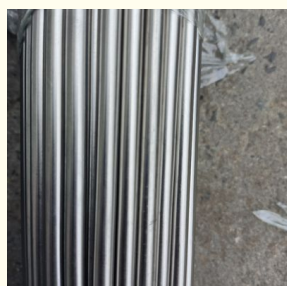


Product Specification

- Yield Strength: 200-300 MPa
- Grades: Cr15Ni60, Cr20Ni35, Cr20Ni30, Cr30Ni70
- Thermal Expansion: 13-17 $\mu\text{m/mK}$
- Magnetic Properties: Non-magnetic
- Applications: Heating Elements, Furnaces, Electrical Components
- Name: Nichrome Alloy
- Thermal Conductivity: 15-20 W/mK
- Hardness: HV400-500
- Highlight: Non magnetic Hardened Nitinol Alloy, 200-300 MPa Hardened Nitinol Alloy, HV400-500 Hardened Nitinol Alloy



More Images



Product Description

Product Description:

The Nichrome Alloy is commonly used in heating elements, furnaces, and electrical components, thanks to its excellent conductivity and resistance to corrosion. Its unique properties make it a popular choice for industries that require high-temperature applications, and it is often used as a substitute for other materials like Nitinol.

One of the most impressive features of the Nichrome Alloy is its high melting point of 1400-1450°C. This makes it ideal for use in extreme environments that require high temperatures, such as aerospace applications or industrial furnaces. Additionally, the Nichrome Alloy has a density of 8.4 G/cm³, which makes it a lightweight yet sturdy material that can withstand harsh conditions.

The Nichrome Alloy is widely used in various applications, including:

Heating Elements: The Nichrome Alloy is a popular choice for heating elements in a wide range of industries, including automotive, aerospace, and industrial manufacturing. It has excellent thermal conductivity and can withstand high temperatures, making it ideal for use in heating coils and other heating elements.

Furnaces: The Nichrome Alloy is commonly used in industrial furnaces and kilns, where it can withstand high temperatures and harsh conditions. Its high melting point and excellent strength make it an ideal choice for these applications.

Electrical Components: The Nichrome Alloy is often used in electrical components, such as resistors and heating elements. Its excellent conductivity and resistance to corrosion make it an ideal choice for these applications.

In summary, the Nichrome Alloy is a highly versatile and reliable product that offers exceptional strength, durability, and thermal conductivity. Its various grades, including Cr15Ni60, Cr20Ni35, Cr20Ni30, and Cr30Ni70, make it suitable for a wide range of applications, including heating elements, furnaces, and electrical components. With its high melting point and lightweight yet sturdy construction, the Nichrome Alloy is an ideal choice for industries that require high-temperature applications.

Features:

Product Name: Nichrome Alloy

Density: 8.4 G/cm³

Hardness: HV400-500

Yield Strength: 200-300 MPa

Melting Point: 1400-1450°C

Thermal Expansion: 13-17 µm/mK

Nichrome Alloy is a type of Nitinol Materials that has a high density of 8.4 G/cm³, hardness of HV400-500, yield strength of 200-300 MPa, melting point of 1400-1450°C, and thermal expansion of 13-17 µm/mK.

Technical Parameters:

Thermal Expansion	13-17 µm/mK
Yield Strength	200-300 MPa
Electrical Resistivity	1.1-1.2 µΩm
Melting Point	1400-1450°C
Tensile Strength	400-500 MPa
Thermal Conductivity	15-20 W/mK
Elongation	20-30%
Chemical Composition	Ni-Cr-Fe
Hardness	HV400-500
Forms	Pipe

Applications:

The Victory Nichrome Wire is a versatile product that can be used in various applications, including heating elements, resistance wires, and high-temperature wires. It is particularly useful in industries that require high temperatures, such as aerospace, automotive, and healthcare.

The Nichrome Alloy is commonly used in the production of Nitinol, an alloy of nickel and titanium that is used in various applications, including medical devices, dental braces, and eyeglass frames. The product's excellent corrosion resistance makes it ideal for use in medical applications where the risk of infection is high.

The product is available in spool and coil packages, with a minimum order quantity of 5. The spool package comes with a carton box, while the coil package comes with a polybag. The delivery time ranges from 5-21 days, and the payment terms include L/C, T/T, Western Union, and MoneyGram. The product's supply ability is 300 tons per month, ensuring that customers can get the product when they need it.

Customization:

Support and Services:

Our Nichrome Alloy product comes with comprehensive technical support and services to ensure optimal performance and longevity. Our team of experts is available to answer any questions regarding installation, maintenance, and troubleshooting. We also offer repair services and replacement parts to minimize downtime and maximize productivity. Additionally, we provide training and educational resources to help our customers get the most out of their Nichrome Alloy product. Contact us for more information on our technical support and services.

Packing and Shipping:

Product Packaging:

Our Nichrome Alloy product comes in a sturdy cardboard box that is designed to protect the product during shipping and storage. Each box contains 10 individual packages of the alloy, each weighing 1 pound. The individual packages are vacuum-sealed to ensure the product stays fresh and free from contamination.

Shipping:

We offer standard shipping via UPS or FedEx. Orders are typically processed within 1-2 business days and shipping times vary depending on your location. Shipping costs are calculated at checkout based on your shipping address and the weight of your order. We also offer expedited shipping options for an additional fee.

FAQ:

Q: What is the brand name of the Nichrome Alloy product?

A: The brand name of our product is Victory.

Q: What is the model number of the Nichrome Alloy product?

A: The model number of our product is Nichrome Wire.

Q: Where is the Nichrome Alloy product manufactured?

A: Our Nichrome Alloy product is manufactured in China JiangSu.

Q: What certifications does the Nichrome Alloy product have?

A: Our Nichrome Alloy product is certified with CE certification.

Q: What is the minimum order quantity for the Nichrome Alloy product?

A: The minimum order quantity for our Nichrome Alloy product is 5.

Q: What are the packaging details for the Nichrome Alloy product?

A: Our Nichrome Alloy product is packaged in spool package with Carton box, Coil package with polybag for Resistance wire.

Q: What is the delivery time for the Nichrome Alloy product?

A: The delivery time for our Nichrome Alloy product is within 5-21 days.

Q: What are the payment terms for the Nichrome Alloy product?

A: We accept L/C, T/T, Western Union, and MoneyGram as payment terms for our Nichrome Alloy product.

Q: What is the supply ability for the Nichrome Alloy product?

A: Our Nichrome Alloy product has a supply ability of 300 tons per month.



Changzhou Victory Technology Co., Ltd



+8619906119641



victory@dlx-alloy.com



victory-alloy.com

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