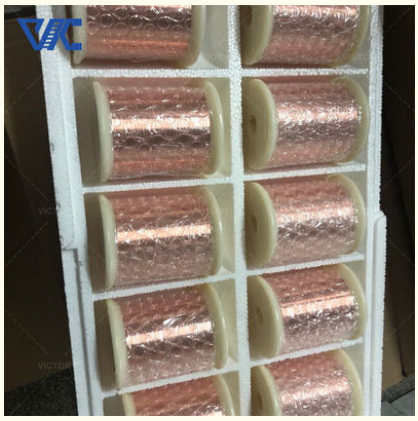
Industrial Grade CuNi Alloy With Tensile Strength 400-600 MPa And Bright Surface

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS
- Model Number: CuNi Alloy
- Minimum Order Quantity: 2kg



Product Specification

- Diameter: 0.1~10mm
- Resistivity: 0.5
- Emf Vs Cu: -18 UV/C
- Surface: Bright
- Condition: Hard / Soft
- Purity: High Purity
- Tensile Strength: 400-600 MPa
- Thermal Expansion Coefficient: 16.5 X 10^-6/K
- Highlight: **Bright Surface CuNi Alloy**, **600MPa Tensile Strength CuNi Alloy**, **Industrial Grade CuNi Alloy**

Product Description

Product Description:

The maximum temperature that this alloy can withstand is 200°C, making it perfect for use in high-temperature environments. This material also has a thermal expansion coefficient of 16.5 X 10^-6/K, which is relatively low, making it ideal for use in applications that require dimensional stability.
The CuNi Alloy is also known for its excellent corrosion resistance, making it a popular choice in industries such as marine and chemical processing. This material can withstand harsh environments and is highly resistant to corrosion, which ensures its longevity and reliability. Additionally, this alloy is available in both hard and soft conditions, making it ideal for various applications.
Overall, the CuNi Alloy is a highly reliable and durable material that offers exceptional properties. Its blend of Aluminium Copper Alloy and Inconel Nickel Alloy ensures that it can withstand high-temperature environments while maintaining its dimensional stability. Its excellent corrosion resistance makes it ideal for use in harsh environments. It is a versatile material that can be used in various industrial applications, making it a popular choice among engineers and manufacturers.

Features:

Product Name: CuNi Alloy
Tensile Strength: 400-600 MPa
Composition: Copper and Nickel
Condition: Hard / Soft
Maximum Temperature: 200°C
Diameter: 0.1~10mm
This Copper Nickel Alloy product is a type of Alloy Steel Metal and Aluminium Copper Alloy.

Technical Parameters:

Technical Parameter	Value
Material	CuNi Alloy
Resistivity	0.5
Emf Vs Cu	-18 UV/C
Maximum Temperature	200°C
Corrosion Resistance	Excellent
Tensile Strength	400-600 MPa
Application	Industry
Condition	Hard / Soft
Density	8.94 G/cm3
Thermal Expansion Coefficient	16.5 X 10^-6/K
Hardness	80-120 HV

Applications:

One of the key features of the Victory CuNi Alloy is its Emf Vs Cu rating of -18 UV/C, which makes it highly resistant to galvanic corrosion. This makes it an ideal material for use in marine and offshore applications where it is exposed to seawater and salt spray.
Another advantage of the Victory CuNi Alloy is its ability to withstand high temperatures of up to 200°C. This makes it an excellent choice for use in high-temperature applications such as heat exchangers and furnaces.
The Victory CuNi Alloy has a bright surface, which not only enhances its aesthetic appeal but also makes it easier to clean and maintain.
Some of the common application occasions and scenarios for the Victory CuNi Alloy include:
Marine and offshore applications: Victory CuNi Alloy is highly resistant to sea water and salt spray, making it an ideal material for use in marine and offshore applications such as shipbuilding, oil rigs, and underwater pipelines.
Heat exchangers: The high-temperature resistance and excellent corrosion resistance of the Victory CuNi Alloy make it an ideal material for use in heat exchangers in various industries such as petrochemicals, power generation, and HVAC systems.
Automotive industry: The Victory CuNi Alloy is used in the manufacturing of various automotive components such as exhaust systems, fuel lines, and brake lines, thanks to its high strength, corrosion resistance, and durability.
Aerospace industry: The Victory CuNi Alloy is used in the aerospace industry for the manufacture of various components such as aircraft engines, heat exchangers, and fuel systems, thanks to its high strength, temperature resistance, and corrosion resistance.
Chemical industry: The Victory CuNi Alloy is used in the chemical industry for the manufacture of various chemical processing equipment such as reactors, distillation columns, and heat exchangers, thanks to its high corrosion resistance and durability.
In conclusion, the Victory CuNi Alloy is an alloy steel metal that is widely used in various industries due to its high strength, corrosion resistance, and temperature resistance. Its Emf Vs Cu rating of -18 UV/C makes it highly resistant to galvanic corrosion, while its bright surface makes it easier to clean and maintain. The Victory CuNi Alloy is an excellent choice for use in marine and offshore applications,

heat exchangers, automotive industry, aerospace industry, and chemical industry.

Customization:

At Victory, we offer product customization services for our CuNi Alloy, also known as Copper Nickel Alloy. This high-quality material is available in both hard and soft conditions, with a diameter range of 0.1~10mm.
Our CuNi Alloy is made in China and has a model number of CuNi Alloy. It is commonly used in industrial applications due to its excellent corrosion resistance and tensile strength of 400-600 MPa.
In addition to CuNi Alloy, we also offer customization services for other copper-based alloys such as Aluminium Copper Alloy and Copper Bronze Alloy. Contact us today to learn more about our product customization services.

Support and Services:

Our CuNi Alloy product technical support and services include:
Expert technical assistance for installation, operation, and maintenance
Customized alloy composition and product design to meet specific application requirements
Quality assurance and testing to ensure product performance and reliability
Repair and replacement services for damaged or faulty products
Training and education on proper handling, storage, and usage of CuNi Alloy products

Packing and Shipping:

Product Packaging:
The CuNi alloy product will be packed in wooden crates.
The crates will be lined with plastic to protect the product from moisture.
The product will be securely fastened and cushioned with foam padding to prevent damage during transport.
Shipping:
The CuNi alloy product will be shipped via air or sea freight, depending on the customer's preference.
The shipping cost will be calculated based on the weight and destination of the product.
The customer will be notified of the shipping details and provided with a tracking number once the product has been shipped.

FAQ:

Q: What is the brand name of this product?
A: The brand name of this product is Victory.
Q: What is the model number of this product?
A: The model number of this product is CuNi Alloy.
Q: Where is this product made?
A: This product is made in China.
Q: What is the composition of this CuNi Alloy?
A: This CuNi Alloy is made up of copper and nickel, with a ratio of 90/10.
Q: What is the maximum temperature that this CuNi Alloy can withstand?
A: This CuNi Alloy can withstand a maximum temperature of 500°C.

Changzhou Victory Technology Co., Ltd

+8619906119641 victory@dlx-alloy.com victory-alloy.com

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