



## Thermal Expansion Coefficient $16.5 \times 10^{-6}/K$ CuNi Alloy for at Maximum Temperature 200C

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Victory
- Model Number: CuNi Alloy



### Product Specification

- Density: 8.94 G/cm<sup>3</sup>
- Surface: Bright
- Condition: Hard / Soft
- Application: Industry
- Emf Vs Cu: -18 UV/C
- Diameter: 0.1~10mm
- Thermal Expansion Coefficient:  $16.5 \times 10^{-6}/K$
- Highlight: **200C CuNi Alloy,**  
**Maximum Temperature CuNi Alloy ,**  
 **$16.5 \times 10^{-6}/K$  CuNi Alloy**

## Product Description

### Product Description:

The CuNi alloy is a type of Aluminium Copper Alloy that is known for its high resistance to corrosion, making it an ideal choice for use in marine environments. It is also highly resistant to biofouling, which makes it an excellent choice for use in seawater and other harsh environments. The alloy is also resistant to hydrogen embrittlement, making it ideal for use in high-pressure applications.

The CuNi alloy is available in various diameters ranging from 0.1mm to 10mm, making it a versatile material for various applications. It is also available with a bright surface finish, which is highly desirable for applications that require a polished and smooth surface.

The CuNi alloy product is commonly used in the industry for various applications, including marine and offshore structures, heat exchangers, power generation, and many others. Its excellent resistance to corrosion and high-temperature strength make it a popular choice for use in high-stress environments where other materials would fail.

In summary, our CuNi alloy product is a reliable and durable material that is highly resistant to corrosion and high-temperature strength. It is an Aluminium Copper Alloy that is ideal for use in marine environments and other harsh environments where other materials would fail. It is available in various diameters and with a bright surface finish, making it a versatile material for various applications.

### Features:

Product Name: CuNi Alloy

Density: 8.94 G/cm3

Surface: Bright

Composition: Copper and Nickel

Purity: High Purity

Resistivity: 0.5

Material: Copper Based Alloys

Material: Alloy Steel Material

Material: Aluminium Copper Alloy

### Technical Parameters:

Hardness	80-120 HV
Purity	High Purity
Application	Industry
Surface	Bright
Density	8.94 G/cm3
Diameter	0.1~10mm
Corrosion Resistance	Excellent
Maximum Temperature	200°C
Condition	Hard / Soft
Composition	Copper And Nickel

This product belongs to the category of Copper Based Alloys and Inconel Nickel Alloy. It is often produced through Copper Powder Metallurgy.

### Applications:

One of the most common applications for the Victory CuNi Alloy is in the manufacturing of heat exchangers. Because of its excellent thermal conductivity, this alloy steel metal is ideal for use in systems that need to transfer heat quickly and efficiently. It is also highly resistant to corrosion, which makes it a great choice for use in marine environments or other settings where exposure to saltwater or other corrosive materials is likely.

Another key application for the Victory CuNi Alloy is in the production of electrical components. The high purity of this alloy steel metal makes it an excellent conductor of electricity, which is essential for many different types of electrical systems. Additionally, its low thermal expansion coefficient helps to ensure that these components maintain their shape and integrity even when exposed to high temperatures. The Victory CuNi Alloy can also be used in the manufacturing of various types of machinery and equipment. Its unique composition gives it excellent strength and durability, making it ideal for use in applications where high levels of stress or wear and tear are likely.

Additionally, its high density of 8.94 G/cm3 helps to ensure that it is able to withstand heavy loads and other forms of mechanical stress.

Overall, the Victory CuNi Alloy is a versatile and reliable alloy steel metal that can be used in a wide range of different applications.

Whether you are building heat exchangers, electrical components, or heavy machinery, this copper nickel alloy is sure to meet your needs and exceed your expectations.

### Customization:

Looking for customized CuNi Alloy products? Look no further than Victory! Our CuNi Alloy is manufactured using high-quality alloy steel

metal and copper powder metallurgy, ensuring high purity and durability. Our CuNi Alloy is available in a range of diameters from 0.1mm to 10mm and has a density of 8.94 G/cm<sup>3</sup>.

Our CuNi Alloy is a copper alloy tube that is designed to withstand high temperatures and has a maximum temperature of 200°C. With a tensile strength of 400-600 MPa, our CuNi Alloy is ideal for a variety of applications, including electrical and industrial uses.

At Victory, we offer product customization services to ensure that our CuNi Alloy meets your specific needs. Contact us today to learn more about how we can create a custom CuNi Alloy product that is tailored to your unique requirements.

Place of origin: China

## Support and Services:

Our CuNi Alloy product technical support and services include:

Expert consultation on product selection and application

Assistance with installation and maintenance

Technical data and material properties

Product testing and analysis

Customized product development

Training and education on product features and capabilities

Our team of experienced professionals is dedicated to providing top-notch support and services to ensure the optimal performance and longevity of your CuNi Alloy product.

## Packing and Shipping:

Product Packaging:

The CuNi Alloy product will be packaged in a sturdy, corrugated cardboard box.

The box will be sealed with strong packing tape to ensure that the product is secure during shipping.

The product will be wrapped in bubble wrap or other protective material to prevent any damage during transit.

A label with the customer's address and other necessary shipping information will be affixed to the outside of the box.

Shipping:

The CuNi Alloy product will be shipped via a trusted and reliable shipping carrier.

The shipping carrier will be chosen based on the customer's location and delivery preferences.

The customer will be provided with a tracking number so they can monitor the progress of their shipment.

The estimated delivery time will depend on the customer's location and the shipping carrier's schedule.

If there are any unexpected delays or issues during shipping, the customer will be notified immediately.

## 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 manufactured?**

A: This product is manufactured in China.

**Q: What are the dimensions of this product?**

A: The dimensions of this product vary depending on the specific type of CuNi Alloy. Please refer to the product specifications for more information.

**Q: What is the composition of this product?**

A: This product is made of a copper-nickel alloy, which has a specific composition depending on the type of CuNi Alloy. Please refer to the product specifications for more information.



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