



Excellent Corrosion Resistance Copper Powder Metallurgy for Products 0.1-10mm Diameter

Our Product Introduction

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

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE, ROHS
- Model Number: CuNi Alloy



Product Specification

- Tensile Strength: 400-600 MPa
- Corrosion Resistance: Excellent
- Application: Industry
- Condition: Hard / Soft
- Diameter: 0.1~10mm
- Thermal Expansion Coefficient: $16.5 \times 10^{-6}/K$
- Maximum Temperature: 200°C
- Surface: Bright
- Highlight: 10mm Diameter Copper Powder Metallurgy, Excellent Corrosion Resistance Copper Powder Metallurgy



Product Description

Product Description:

CuNi Alloy has a low EMF (electromotive force) compared to copper, with a value of -18 UV/C. This makes it a popular choice in the manufacturing of thermocouples, where precise temperature measurement is required. The composition of copper and nickel also gives it excellent corrosion resistance, making it ideal for use in marine environments and other harsh conditions.

Copper Alloy Tube is a common application for CuNi Alloy due to its corrosion-resistant properties. It is often used in seawater piping systems, heat exchangers, and condenser tubes. Copper Metal Products are also popular applications of CuNi Alloy. It is used for electrical and electronic components, such as switches, connectors, and circuit breakers.

Overall, CuNi Alloy is a versatile and reliable product that is essential in many industries. Its unique combination of properties makes it ideal for use in harsh environments, where corrosion resistance and temperature stability are critical. If you are looking for a reliable and durable product for your industry needs, CuNi Alloy is an excellent choice.

Features:

Product Name: CuNi Alloy

Resistivity: 0.5

Thermal Expansion Coefficient: $16.5 \times 10^{-6}/K$

Hardness: 80-120 HV

Emf Vs Cu: -18 UV/C

Surface: Bright

Material Type: Copper Based Alloys

Production Process: Copper Powder Metallurgy

Alloy Type: Copper Bronze Alloy

Technical Parameters:

Hardness	80-120 HV
Surface	Bright
Condition	Hard / Soft
Maximum Temperature	200°C
Tensile Strength	400-600 MPa
Emf Vs Cu	-18 UV/C
Application	Industry
Thermal Expansion Coefficient	$16.5 \times 10^{-6}/K$
Resistivity	0.5
Density	8.94 G/cm ³

Applications:

The Victory CuNi Alloy is primarily used in the production of Alloy Steel Material. It is an excellent choice for this purpose due to its high purity and resistivity of 0.5. This product is known for its toughness and durability, making it ideal for use in heavy-duty machinery and equipment.

This Copper Bronze Alloy is also often used in the production of marine equipment, particularly in the construction of boats and ships. Its resistance to corrosion makes it an excellent choice for this application. It is also commonly used in the production of heat exchangers, due to its excellent thermal conductivity.

Another common use for the Victory CuNi Alloy is in the production of electrical components. Its high purity and resistivity make it an excellent choice for use in wiring and other electrical applications. It is also commonly used in the production of electronic components, such as resistors and capacitors.

The Victory CuNi Alloy is available in both hard and soft conditions, making it versatile and suitable for a wide range of applications. It is also known for its high quality and reliability, making it a popular choice among manufacturers and engineers.

In conclusion, the Victory CuNi Alloy is a high-quality product that is perfect for use in a range of applications. Whether you are working in the production of Alloy Steel Material, marine equipment, heat exchangers, or electrical components, this Copper Bronze Alloy is an excellent choice. With its high purity, excellent resistivity, and versatility, it is no wonder that the Victory CuNi Alloy is such a popular product among manufacturers and engineers worldwide.

Customization:

Customize your Victory CuNi Alloy product with our Product Customization Services!

Our CuNi Alloy is made from high-quality Alloy Steel Material in China, ensuring its durability and reliability for industrial applications. You can choose between hard or soft conditions, depending on your specific requirements. We offer a range of diameters from 0.1mm to

10mm to suit your needs.

Additionally, we can customize the thermal expansion coefficient to $16.5 \times 10^{-6}/K$ to ensure optimal performance in your application. With our Product Customization Services, you can have a CuNi Alloy product that is tailored to your exact specifications and needs.

Support and Services:

CuNi alloy is a copper-nickel alloy that offers excellent corrosion resistance in seawater and brine environments. It is used in marine and offshore applications, as well as in chemical processing and power generation. Our technical support team is available to assist with any questions or concerns regarding the use and performance of CuNi alloy, including material selection, fabrication, and installation. We also offer a range of services, including testing and analysis, failure investigation, and material characterization. Our goal is to ensure that our customers get the most out of their CuNi alloy products, and that they are able to operate safely and efficiently in their intended applications.

Packing and Shipping:

Product Packaging:

The CuNi Alloy product will be packaged in sturdy cardboard boxes.

The boxes will be sealed with packing tape to prevent any damage during transit.

Each box will contain a label with product information for easy identification.

Shipping:

The CuNi Alloy product will be shipped using a reliable courier service.

The shipping cost will be calculated based on the weight and destination of the package.

Customers will receive a tracking number once the package has been shipped.

Delivery times may vary depending on the destination and shipping method chosen.

FAQ:

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

A: The brand name of the CuNi Alloy product is Victory.

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

A: The model number of the CuNi Alloy product is CuNi Alloy.

Q: Where is the CuNi Alloy product made?

A: The CuNi Alloy product is made in China.

Q: What applications is the CuNi Alloy product suitable for?

A: The CuNi Alloy product is suitable for a variety of applications including electrical heating, resistance heating, and thermocouples.

Q: What are the key features of the CuNi Alloy product?

A: The CuNi Alloy product has excellent corrosion resistance, high electrical conductivity, and good thermal conductivity.



Changzhou Victory Technology Co., Ltd



+8619906119641



victory@dlx-alloy.com



victory-alloy.com

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