80-120 HV High Hardness Copper Nickel Alloy Wire

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS
- Model Number: CuNi Alloy
- Minimum Order Quantity: 2kg
- Packaging Details: Spool package with Carton box, Coil package with polybag for pure nickel wire 0.025mm
- Delivery Time: 5-21 days
- Payment Terms: L/C, D/A, D/P, Western Union
- Supply Ability: 300 tons per month

Product Specification

- Application: Heating, Resistivity
- Corrosion Resistance: Excellent
- Maximum Temperature: 220°C
- Hardness: 80-150 HV
- Machinability: Fair
- Technology: Rolling And Drawing
- Condition: Hard / Soft
- Yield Strength: 140-450 MPa
- Density: 8.94 G/cm3
- Weldability: Good
- Melting Point: 1170-1240°C
- Tensile Strength: 380-620 MPa
- Shape: Custom
- Diameter: 0.1~10mm
- Applications: Marine, Chemical, And Electrical Industries

Product Description

Product Description:

The Copper Bronze Alloy consists of copper and nickel, with a small percentage of iron and manganese. This combination of metals results in a material that is highly resistant to corrosion, making it ideal for use in environments that are exposed to harsh conditions. It is also known for its high strength and durability, making it a popular choice for applications that require a material that can withstand wear and tear.
In addition to its excellent corrosion resistance and strength, the Inconel Nickel Alloy also has a bright surface finish, which makes it visually appealing. The alloy is available in a range of diameters, from 0.1mm to 10mm, making it suitable for use in a wide range of applications.
The Copper Powder Metallurgy is a cost-effective manufacturing process that is used to produce the CuNi Alloy. This process involves the use of copper and nickel powders, which are combined and pressed into the desired shape. The resulting material is then sintered at high temperatures, resulting in a dense and highly durable product.
Overall, the CuNi Alloy is a versatile and reliable material that is widely used in the industry for its excellent corrosion resistance, high strength, and durability. Its bright surface finish and availability in various diameters make it a practical choice for a range of applications.

Features:

Product Name: CuNi Alloy
Resistivity: 0.5
Hardness: 80-120 HV
Maximum Temperature: 200°C
Thermal Expansion Coefficient: 16.5 X 10^-6/K
Purity: High Purity
This Copper Bronze Alloy is a type of Alloy Steel Metal that is often used in manufacturing Copper Alloy Tubes.

Technical Parameters:

Maximum Temperature	200°C
Thermal Expansion Coefficient	16.5 X 10^-6/K
Resistivity	0.5
Application	Industry
Emf Vs Cu	-18 UV/C
Purity	High Purity
Tensile Strength	400-600 MPa
Hardness	80-120 HV
Surface	Bright

Applications:

The CuNi alloy is commonly used in the manufacturing of copper metal products. This alloy is used extensively in the construction industry for applications such as electrical wiring, plumbing, and heating systems. It is also used in the production of coins, medals, and decorative items. The Victory CuNi Alloy is perfect for these applications due to its high purity and diameter range of 0.1~10mm.
The copper nickel alloy is also used in the production of copper powder metallurgy. This process is used to create complex shapes and parts that are difficult to manufacture using other methods. The Victory CuNi Alloy is an ideal choice for powder metallurgy due to its unique composition and high purity. This alloy is used in a wide range of industries, such as automotive, aerospace, and defense.
There are several occasions and scenarios where the Victory CuNi Alloy product can be used. For example, this alloy is ideal for use in the manufacturing of electrical components such as resistors and capacitors. It is also used in the production of heat exchangers and condensers. In the automotive industry, the CuNi alloy is used in the production of brake lines and fuel lines. It is also used in the construction of ship hulls and propellers.
In conclusion, the Victory CuNi Alloy is a versatile and unique product that has a wide range of applications in various industries. Its high purity, thermal expansion coefficient, and unique composition make it an ideal choice for use in copper metal products, copper nickel alloy, and copper powder metallurgy. This product is made in China and is available in a diameter range of 0.1~10mm. Its versatility makes it an excellent choice for use in a variety of applications.

Customization:

Looking for customized CuNi Alloy products? Look no further than Victory! Our CuNi Alloy products are made in China with a tensile strength of 400-600 MPa and a diameter range of 0.1~10mm. The composition of our CuNi Alloy products is a combination of copper and nickel, with an Emf Vs Cu of -18 UV/C and a hardness of 80-120 HV.
At Victory, we offer product customization services to meet your specific needs. Whether you're looking for copper metal products, copper bronze alloy, or copper powder metallurgy, we can create the perfect product for you. Contact us today to learn more!

Support and Services:

Our CuNi alloy products are designed to meet the highest technical standards for various industries. Our technical support team is available to assist you with any questions or concerns you may have about our products.
We offer a range of services to ensure that our CuNi alloy products meet your specific needs, including:

Custom alloy development

Product testing and analysis

Product selection guidance

Technical consultations

Training and education

Our team of experts has extensive knowledge and experience in the CuNi alloy industry, and we are committed to providing you with the highest level of support and service. Contact us today to learn more.

Packing and Shipping:

Product Name: CuNi Alloy
Quantity: 1kg
Dimensions: 20cm x 20cm x 10cm
Weight: 1.2kg
Shipping Method: Standard
Shipping Cost: $10
Estimated Delivery Time: 3-5 business days

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 applications of CuNi Alloy?
A: CuNi Alloy has a wide range of applications, including electrical and electronic industries, marine engineering, and heat exchangers.
Q: What are the physical properties of CuNi Alloy?
A: CuNi Alloy is a copper-nickel alloy with high corrosion resistance, good ductility, and thermal conductivity. It has a melting point of around 1300°C and a density of around 8.9 g/cm³.

Changzhou Victory Technology Co., Ltd

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

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