80-120 HV CuNi Bright Surface Alloy Wire CE ROHS

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 surface of the CuNi Alloy is bright, giving it an attractive appearance that is perfect for decorative use. Its density is 8.94 G/cm3, which is relatively high compared to other copper alloys. This density gives it excellent durability and strength, making it an excellent choice for applications that require high strength and resistance to wear and tear.
The CuNi Alloy is available in a diameter range of 0.1~10mm, which makes it suitable for a wide range of applications. This diameter range ensures that the CuNi Alloy is versatile and can be used in various industries, including petrochemical, power generation, and marine applications.
The hardness of the CuNi Alloy is 80-120 HV, which is relatively high compared to other copper alloys. This hardness ensures that the CuNi Alloy is resistant to wear and tear, making it an ideal choice for applications that require high durability and resistance to corrosion.
The CuNi Alloy has an emf vs Cu of -18 UV/C, which is an essential attribute that makes it suitable for use in various electrical applications. It has excellent electrical conductivity and is a perfect choice for applications that require high electrical conductivity, such as electrical wiring and electronics.
In conclusion, the CuNi Alloy is an excellent choice for various industries due to its excellent corrosion resistance, high strength, and good thermal conductivity. Its bright surface, high density, diameter range, hardness, and electrical conductivity make it an ideal choice for a wide range of applications. Whether you need it for petrochemical, power generation, marine, electrical wiring, or electronics applications, the CuNi Alloy is a perfect choice to consider. Its excellent properties make it a reliable and durable copper alloy tube that is worth investing in.

Features:

Product Name: CuNi Alloy
Surface: Bright
Thermal Expansion Coefficient: 16.5 X 10^-6/K
Resistivity: 0.5
Diameter: 0.1~10mm
Application: Industry
Our Copper Nickel Alloy is a high-quality product with a bright surface that is perfect for use in industrial applications. With a thermal expansion coefficient of 16.5 X 10^-6/K and a resistivity of 0.5, our Copper Nickel Alloy is a reliable and durable choice. Its diameter range of 0.1~10mm makes it versatile and suitable for a wide range of applications. This Inconel Nickel Alloy is a must-have for any industrial setting.

Technical Parameters:

Technical Parameter	Value
Tensile Strength	400-600 MPa
Thermal Expansion Coefficient	16.5 X 10^-6/K
Diameter	0.1~10mm
Resistivity	0.5
Surface	Bright
Purity	High Purity
Condition	Hard / Soft
Density	8.94 G/cm3
Application	Industry
Maximum Temperature	200°C

This product is an Alloy Steel Material and belongs to Copper Based Alloys. It is also known as Inconel Nickel Alloy.

Applications:

One of the key advantages of the Victory CuNi Alloy is its ability to withstand high temperatures of up to 200°C, making it a popular choice in the manufacturing of heat exchangers, condensers, and other high-temperature applications. Its high density of 8.94 G/cm3 also makes it a suitable option for applications that require a strong and durable material.
The thermal expansion coefficient of 16.5 X 10^-6/K makes it a suitable material for use in applications that require dimensional stability over a wide range of temperatures. This makes it a popular choice in the aerospace and automotive industries where high-precision components are required.
The Victory CuNi Alloy can be used in a variety of scenarios and occasions such as:
Marine applications due to its excellent resistance to seawater corrosion
Oil and gas industry for use in pipelines, heat exchangers, and other components that require resistance to corrosion and high temperatures
Power generation industry for use in boilers, condensers, and heat exchangers
Electrical and electronic components due to its high electrical conductivity and thermal conductivity properties
Copper powder metallurgy for use in the production of parts that require high strength and wear resistance
Alloy steel metal for use in high-stress applications such as springs and bearings
Overall, the Victory CuNi Alloy is a versatile and reliable material that can be used in a wide range of applications due to its unique properties and composition. Whether it's in marine, oil and gas, power generation, or electrical and electronic applications, this copper nickel alloy is sure to provide excellent performance and reliability.

Customization:

Support and Services:

Our CuNi alloy products are backed by our technical support and services team, ensuring that you receive the highest level of assistance in selecting, installing, and maintaining our products.
We offer the following technical support and services:
Expert advice on product selection and application
Customized product design and engineering support
On-site installation assistance and supervision
Technical training and documentation
Ongoing maintenance and repair services
24/7 emergency support
Our team of experienced professionals is dedicated to providing you with the support you need to ensure the optimal performance of your CuNi alloy products.

Packing and Shipping:

Product: CuNi Alloy
Quantity: 1 kg
Packaging: Sealed plastic bag
Shipping: Shipped in a cardboard box

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 are the main features of this product?
A: The main features of this product include excellent corrosion resistance, high electrical conductivity, and thermal stability.
Q: What are some common applications for this product?
A: This product is commonly used in marine environments, chemical processing, power generation, and other industries where corrosion resistance and high conductivity are important.

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