



Food Processing UNS N06022 C22 Wire With Good Food Safety

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE, ROHS, ISO 9001
- Model Number: C22
- Minimum Order Quantity: 5kg
- Price: Negotiable
- Packaging Details: Plastic film or waterproof woven bag inside, wire packed in spool put into carton, coil wire or strip wire put into wooden case
- Delivery Time: 7 to 20 Days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month

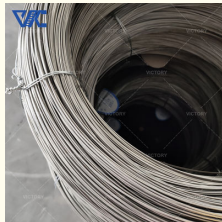


Product Specification

- Name: Hastelloy C22 Wire
- Type: Nickel Alloy Wire
- Material: Ni Cr Mo Fe W Co
- Application: Reactors, Storage Tanks, Knives, Stirrers
- Density: 8.69 G/cm³
- Elongation(%): 45%
- Melting Point: 1,355 °C
- Thermal Conductivity: 10.1 W/m-K
- Yield Strength: 275 MPa
- Tensile Strength: 690 MPa
- Brinell Hardness HB: ≤220
- Highlight: Corrosion Resistance Hastelloy C22 Wire, UNS N06022 Hastelloy Wire,



More Images



Product Description

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Our Product Introduction

Hastelloy Wire Product Overview

Hastelloy C22 alloy wire also has certain applications in the food processing industry. Due to its excellent corrosion resistance and food safety, Hastelloy C22 alloy wire is widely used in manufacturing equipment and components that come into contact with food.

In the food processing industry, materials are required to have good corrosion resistance and be able to resist the erosion of acid, alkaline, salt water and other corrosive media that may exist when in contact with food. Hastelloy C22 alloy wire can provide reliable anti-corrosion protection in such an environment, ensuring the safety and hygiene of food processing equipment.

In addition, Hastelloy C22 alloy wire also complies with food safety standards and will not have a negative impact on food quality. It is a non-toxic, odorless material that does not release harmful substances or contaminate food. This makes it useful in manufacturing equipment and components that come into contact with food, such as food processing machinery, pipes, containers, etc.

Hastelloy C22 alloy wire also has good wear resistance and heat resistance, and is suitable for high temperature and abrasive environments that may exist during food processing.

It should be noted that the design and manufacture of food processing equipment should comply with relevant food hygiene standards and regulations to ensure food safety and hygiene.

In summary, Hastelloy C22 alloy wire has certain applications in the field of food processing. Its corrosion resistance, food safety and heat resistance make it ideal for manufacturing equipment and components that come into contact with food, ensuring safe, hygienic and efficient food processing.

**Feature:**

Corrosion resistance: Hastelloy C22 alloy wire has excellent corrosion resistance and can withstand a variety of corrosive media, including acidic and alkaline solutions, salt solutions, and oxidizing environments. This makes it suitable for a wide range of chemicals and food ingredients that come into contact with food.

Oxidation resistance: Alloy wire has good antioxidant properties and can maintain stability in high-temperature environments to avoid food contamination caused by oxidation reactions.

Mechanical properties: Hastelloy C22 alloy wire has good strength and toughness, can withstand stress and deformation during food processing, and maintains structural integrity.

Advantage:

Food safety: Hastelloy C22 alloy wire is a food-safe material that will not release harmful substances or adversely affect food quality. It complies with relevant food hygiene and safety standards.

Corrosion Resistance: The excellent corrosion resistance of alloy wire makes it ideal for use in food processing. It can be in contact with various acidic, alkaline and salty food ingredients without corrosion, maintaining the purity and quality of food.

Temperature adaptability: Hastelloy C22 alloy wire can still maintain stability and corrosion resistance in high temperature environments, and is suitable for food processing processes that require high temperature processing.

Application:

Food processing equipment: Hastelloy C22 alloy wire can be used to manufacture various equipment and components in contact with food, such as reactors, storage tanks, pipes, valves, etc. It can resist acidic, alkaline and salty components in food, ensuring that food is not contaminated during processing.

Food heat transfer equipment: Alloy wire can be used to manufacture food heat transfer equipment, such as heat exchangers, evaporators, and heaters. It can withstand high temperatures and corrosive media, enabling efficient heat transfer and heating processing of food.

Food processing tools: Hastelloy C22 alloy wire can be used to manufacture various food processing tools, such as knives, blenders and filters. Its corrosion resistance and mechanical properties allow tools to maintain stability and durability during food processing.

Other relevant knowledge points:

When selecting and using Hastelloy C22 alloy wire in the food processing field, you need to ensure that the material complies with relevant food safety standards and regulations, such as FDA certification for food contact materials.

The processing and manufacturing of alloy wire requires strict process and production requirements to ensure the quality and hygienic safety of food equipment.

Corrosive media and conditions during food processing will vary, so when selecting Hastelloy C22 alloy wire, it is necessary to evaluate and select based on the specific application environment and requirements.

Overall, Hastelloy C22 alloy wire has excellent corrosion resistance, food safety and mechanical properties in the food processing field. It is widely used in food processing equipment, food heat transfer equipment and food processing tools, etc., providing reliable material solutions for food processing. When using, it is necessary to ensure that the selection of appropriate alloy wire specifications and alloy wire processing and manufacturing comply with relevant food safety standards and regulations.

Technical Parameters:

Hastelloy Alloy	Ni	Cr	Co	Mo	FE	W	Mn	C	V	P	S	Si
C22	Balance	20-22.5	2.5 Max	12.5-14.5	2.0-6.0	2.5-3.5	0.5Max	0.015 Max	0.35 Max	0.04 Max	0.03 Max	0.08 Max

ASTM	Alloy	Type	UNS	Misc./Shape
ASTM B574 Bar	Hastelloy C22	Nickel	N06022	Bar
ASTM B575 Plate	Hastelloy C22	Nickel	N06022	Plate
ASTM B575 Strip	Hastelloy C22	Nickel	N06022	Strip
ASTM B575 Sheet	Hastelloy C22	Nickel	N06022	Sheet
ASTM B619 Welded Pipe	Hastelloy C22	Nickel	N06022	Welded Pipe

ASTM B622 Seamless Tubing	Hastelloy C22	Nickel	N06022	Seamless Tubing
ASTM B366 Fittings	Hastelloy C22	Nickel	N06022	Fittings
ASTM B574 Wire	Hastelloy C22	Nickel	N06022	Wire

Customization:

Victory Hastelloy Wire Customization Service

Size: 0.5-7.5mm, Customized Size

Wire: 0.01-10mm

Strip: 0.05*5.0-5.0*250mm

Bar: ϕ 4-50mm;Length 2000-5000mm

Pipe: ϕ 6-273mm; δ 1-30mm;Length 1000-8000mm

Sheet: δ 0.8-36mm;Width 650-2000mm;Length 800-4500mm

contact us

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FAQ:

What material is Hastelloy C22 alloy wire made of?

Hastelloy C22 alloy wire is a high-temperature alloy wire composed of elements such as nickel, molybdenum, chromium and iron.

What are the main features of Hastelloy C22 alloy wire?

Hastelloy C22 alloy wire has excellent corrosion resistance, high temperature strength and corrosion resistance, and is suitable for harsh chemical environments.

What fields and applications is Hastelloy C22 alloy wire suitable for?

Hastelloy C22 alloy wire is widely used in chemical, petroleum, pharmaceutical and other fields, such as chemical equipment, corrosive media storage tanks, flue gas desulfurization devices, etc.



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