



Chemical Industry Hastelloy C-22 UNS N06022 Wire With Antioxidant

Our Product Introduction

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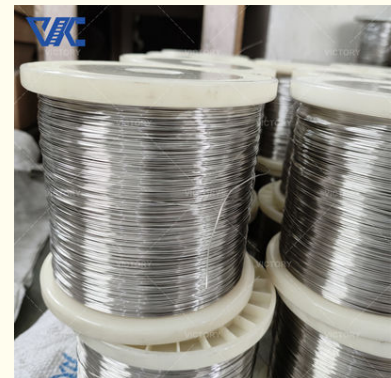
Basic Information

- 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

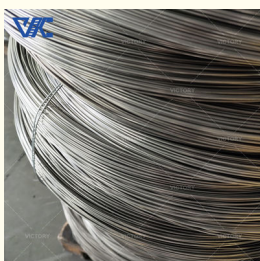


Product Specification

- Name: Hastelloy C22 Wire
- Type: Nickel Alloy Wire
- Material: Ni Cr Mo Fe W Co
- Application: Chemical Reactors, Pickling Equipment, Chemical Storage Tanks
- 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: Hastelloy C22 Nickel Base Alloy,



More Images



Product Description

Product Description:

Hastelloy Wire Product Overview

Hastelloy C22 alloy wire is widely used in the chemical industry. Hastelloy C22 alloy is a nickel-molybdenum-chromium alloy that has excellent corrosion resistance and is therefore widely used in many chemical processing environments.

Many processes in the chemical industry involve corrosive media, high temperature and high pressure conditions, requiring materials with excellent corrosion resistance and durability. Hastelloy C22 alloy wire can resist the erosion of a broad spectrum of corrosive media including acidic, alkaline, oxidizing and reducing chemicals, including sulfuric acid, hydrochloric acid, chloride, chlorine, etc. It also has high resistance to chloride stress corrosion cracking and can operate stably for a long time in chlorine-containing environments.

In the chemical industry, Hastelloy C22 alloy wire is widely used in the manufacture of key components such as chemical reactors, distillation towers, pipes, valves, pumps and heat exchange equipment. It can withstand corrosive media under high temperature and high pressure conditions, ensuring the reliability and long life of the equipment.

In addition, Hastelloy C22 alloy wire also has good processability and can be cold and hot processed to meet the needs of different shapes and sizes.

Overall, Hastelloy C22 alloy wire is widely used in the chemical industry, mainly in the manufacture of corrosion-resistant equipment and components. Its excellent corrosion resistance and high temperature resistance make it an ideal material for reliable operation in harsh chemical environments.



Characteristic:

Corrosion resistance: Hastelloy C22 alloy wire has excellent corrosion resistance and has good corrosion resistance to a variety of strong acids, strong alkali, salt solutions and oxidizing media.

Oxidation resistance: Alloy wire has good oxidation resistance under high temperature conditions and can be used for a long time in an oxidizing environment without serious oxidation.

Resistance to stress corrosion cracking: Hastelloy C22 alloy wire has good resistance to stress corrosion cracking and is suitable for high stress corrosion environments.

Advantage:

Broad Corrosion Resistance: One of the main advantages of Hastelloy C22 alloy wire in the chemical industry is its broad corrosion resistance. It can resist various corrosive media such as acidic media, salt solutions, oxidizing acids, etc., and is suitable for various chemical processes.

Creep resistance: Hastelloy C22 alloy wire has excellent creep resistance, that is, under high temperature and high stress conditions, it can maintain its shape and strength and is not prone to deformation or breakage.

High-temperature stability: The high-temperature stability of the alloy wire makes Hastelloy C22 alloy wire suitable for high-temperature chemical reactors, heaters, furnace tubes and other applications, and can maintain its performance and life in high-temperature environments.

Application:

Chemical reactors and reactor internal parts: Hastelloy C22 alloy wire can be used to manufacture chemical reactors and reactor internal parts, such as stirrers, reactor linings, reactor pipes, etc. It can withstand stress and pressure in various highly corrosive media and high temperature environments.

Pickling equipment: Hastelloy C22 alloy wire is widely used in pickling equipment, such as pickling tanks, pickling pipes, pickling sprayers, etc. It can resist the erosion of strong acid and maintain the stability and durability of the equipment.

Chemical storage tanks and pipelines: Because Hastelloy C22 alloy wire has excellent corrosion resistance and high temperature stability, it is widely used in chemical storage tanks and pipeline systems for storing and transporting various chemical media.

Other relevant knowledge points:

Hastelloy C22 alloy is also suitable for use in other industries, such as the oil and gas industry, pharmaceutical industry, food processing industry, etc., to cope with the requirements of various corrosive and high-temperature environments.

When selecting and using Hastelloy C22 alloy wire, appropriate alloy specifications and manufacturing processes should be selected based on specific chemical media, temperature, pressure and other conditions, combined with process requirements and equipment design.

Special attention needs to be paid to the installation, maintenance and overhaul of alloy wires to ensure the reliability and safety of the equipment.

Summary: Hastelloy C22 alloy wire has excellent corrosion resistance, stress corrosion cracking resistance and high temperature stability in the chemical industry. It is widely used in chemical reactors, pickling equipment, chemical storage tanks, pipelines and other fields to resist the erosion of corrosive media such as strong acids, salt solutions, and oxidizing acids. When selecting and using alloy wire, comprehensive considerations must be made based on specific conditions, and installation and maintenance requirements must be paid attention to.

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

Brand Name: Victory

Model Number: HC-276, C-22, C-4, B2, B3, N

Place of Origin: China

Surface Finish: Bright, Oxidized, Or Pickled

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
email:victory@dlx-alloy.com

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FAQ:

What is the price of Hastelloy C22 alloy wire?

The price of Hastelloy C22 alloy wire is relatively high due to its excellent performance and rare material composition.

What is the diameter range of Hastelloy C22 alloy wire?

The diameter range of Hastelloy C22 alloy wire usually ranges from 0.02mm to 5mm and can be customized according to specific needs.

How much stress can Hastelloy C22 alloy wire withstand at high temperatures?

Hastelloy C22 alloy wire can withstand high stress at high temperatures, the specific value depends on factors such as diameter and material processing conditions.

At what temperatures can Hastelloy C22 alloy wire be used?

Hastelloy C22 alloy wire can be used from room temperature to 1000°C, depending on the specific application environment and requirements.



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