



2mm-8mm Chemical Industry Hastelloy C276 Wire With Corrosion Resistance

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: HC-276
- 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



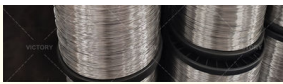
Product Specification

- Name: Hastelloy C276 Wire
- Type: Nickel Alloy Wire
- Grade: Ni Cr Mo
- Elongation(%): 30%
- Density: 8.89 G/cm3
- Brinell Hardness HB: ≤220
- Tensile Strength Rm N/mm²: 760MPA
- Yieldstrength R P0.2 N/mm²: 345MPA
- Melting Point: 1325-1370°C
- Electrical Resistivity 24°C : 1.30 Microhm-m
- Thermal Expansion Coefficient 20-1000°C : 16.5 1/K



More Images





Product Description

Product Description:

Hastelloy Wire Product Overview

Hastelloy C276 alloy wire plays an important role in the chemical industry. Hastelloy C276 alloy is a nickel-based alloy containing elements such as chromium, molybdenum and small amounts of iron and tungsten, which has excellent corrosion resistance. This alloy wire is widely used in the chemical industry for handling and operations involving corrosive media.

Hastelloy C276 alloy wire can resist the erosion of various corrosive media such as strong acids, strong alkali, oxides and salt solutions, including sulfuric acid, hydrochloric acid, nitric acid and chloride. This makes it ideal for handling corrosive chemicals in the chemical industry.

The alloy wire has excellent mechanical properties, with a tensile strength of up to 790 MPa, and good resistance to creep and stress corrosion cracking. It also has good thermal stability and can maintain good performance in high temperature environments.

Hastelloy C276 alloy wire is available in different hardness and surface treatment options to suit different application needs in the chemical industry. It can be used to manufacture key equipment and components such as chemical reactors, distillation towers, pipes, valves, etc.

To sum up, Hastelloy C276 alloy wire is an important material choice in the chemical industry, which can meet the high requirements of corrosive media handling and operation and ensure the durability, safety and reliability of chemical industry equipment.



Features:

Product Name: Hastelloy Wire

Melting Point: 1350-1400°C

Heat Resistance: High

Density: 8.9 G/cm³

Size: 0.5-7.5mm, Customized Size

Surface: Bright

Hastelloy Material

Hastelloy X Price

Hastelloy C276 Spring Wire

Technical Parameters:

Hastelloy Alloy	Ni	Cr	Co	Mo	Fe	W	Mn	C	V	P	S	Si
C276	Balance	14.5-16.5	2.5 Max	15.0-17.0	4.0-7.0	3.0-4.5	1.0 Max	0.01 Max	0.35 Max	0.04 Max	0.03 Max	0.08 Max

ASTM	Alloy	Type	UNS	Misc./Shape
ASTM B574 Bar	Hastelloy C276	Nickel	N10276	Bar
ASTM B575 Plate	Hastelloy C276	Nickel	N10276	Plate
ASTM B575 Strip	Hastelloy C276	Nickel	N10276	Strip
ASTM B575 Sheet	Hastelloy C276	Nickel	N10276	Sheet

ASTM B619 Welded Pipe	Hastelloy C276	Nickel	N10276	Welded Pipe
ASTM B622 Seamless Tubing	Hastelloy C276	Nickel	N10276	Seamless Tubing
ASTM B366 Fittings	Hastelloy C276	Nickel	N10276	Fittings
ASTM B574 Wire	Hastelloy C276	Nickel	N10276	Wire

Manufacturers Hastelloy C276, Hastelloy C276 Price Per kg, Hastelloy X, Hastelloy C22, Hastelloy C276 Suppliers

Characteristic:

Corrosion resistance: Hastelloy C276 alloy wire has excellent corrosion resistance and shows excellent resistance in strong acids, strong alkali and oxidizing media.

Resistance to stress corrosion cracking: This alloy wire can withstand stress corrosion cracking environments and has excellent durability.

High temperature strength: Hastelloy C276 alloy wire can maintain good mechanical properties and structural stability at high temperatures.

Weldability: This alloy wire has good weldability and is easy to weld with other metals, providing greater design flexibility.

Advantage:

Excellent corrosion resistance: Hastelloy C276 alloy wire can resist corrosion from various strong acids, strong alkali and oxidizing media, and is suitable for the treatment of various corrosive media in the chemical industry.

High-temperature stability: This alloy wire can operate stably for a long time in high-temperature environments and is suitable for high-temperature chemical reactors, furnaces, burners and other equipment.

Resistance to stress corrosion cracking: Hastelloy C276 alloy wire has good resistance to stress corrosion cracking, extending the service life of the equipment.

Weldability: This alloy wire is easy to weld, making it more flexible and convenient during manufacturing and installation.

Application:

Chemical industry: Hastelloy C276 alloy wire is widely used in the manufacturing of corrosion-resistant equipment in the chemical industry, such as chemical reactors, storage tanks, pipes, heat exchangers, etc.

Oil and natural gas industry: This alloy wire can be used to manufacture oil and natural gas processing equipment, such as steam condensers in refineries, pipes and valves for corrosive media, etc.

Energy industry: Hastelloy C276 alloy wire is suitable for manufacturing high-temperature equipment in the energy industry, such as burners, gas turbines and cogeneration equipment.

Pharmaceutical industry: This alloy wire is also used in the pharmaceutical industry to manufacture corrosion-resistant reactors and storage equipment, as well as equipment for treating corrosive media waste liquids and waste gases.

Other relevant knowledge points:

Hastelloy C276 alloy wire is a nickel-based alloy with good corrosion resistance and high temperature performance. It is widely used in the chemical industry, petroleum industry, energy industry and other fields.

It has excellent resistance to sulfide corrosion and is suitable for use in sulfide-containing environments in oil and gas extraction.

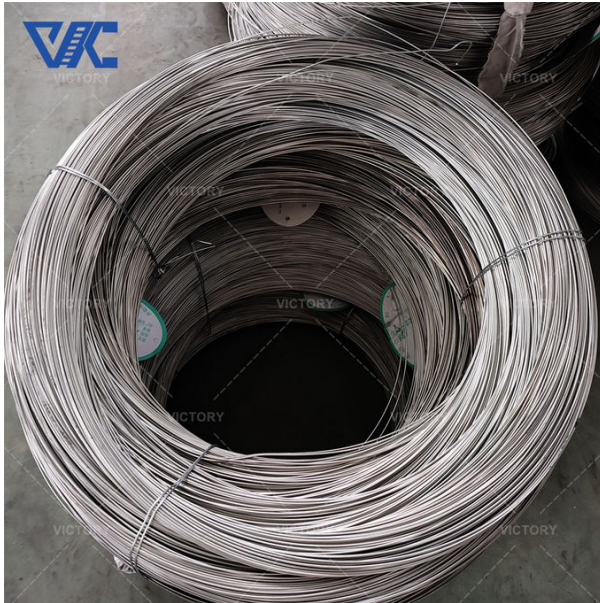
The oxidation resistance of Hastelloy C276 alloy wire makes it stable at high temperatures and resistant to creep and deformation caused by oxidation and thermal cycling.

The alloy wire also has excellent mechanical properties, including high strength, high hardness and good toughness, and is suitable for applications under various complex working conditions.

In summary, Hastelloy C276 alloy wire is a high-performance material widely used in the chemical industry. It has excellent corrosion resistance, high temperature strength, stress corrosion cracking resistance and weldability. This alloy wire is widely used in the manufacturing of corrosion-resistant equipment and high-temperature equipment in the chemical industry, petroleum industry, energy industry, pharmaceutical industry and other fields. Its features and benefits make it ideal for handling corrosive media and high-temperature environments.

contact us
email:victory@dlx-alloy.com
 Oem service:

Welcome customized size
We are experience factory for OEM&ODM service



FAQ:

Q: What is the brand name of this product?

A: The brand name is Victory.

Q: What are the available models for this product?

A: The available models are HC-276, C-22, C-4, B2, B3, and N.

Q: Where is this product manufactured?

A: This product is manufactured in China.

Q: What are some common applications for Hastelloy Wire?

A: Hastelloy Wire is commonly used in chemical processing, aerospace, and marine environments due to its corrosion resistance and high strength.

Q: How is Hastelloy Wire different from other types of wire?

A: Hastelloy Wire is a type of nickel-based alloy that offers superior corrosion resistance and can withstand high temperatures and pressures compared to other types of wire.



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