



Food Processing Hastelloy Alloy C276 Bright Wire With High Temperature Stability

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: 5 Kg
- Price: Negotiable
- Packaging Details: Nickel wire is rolled on white spool or packed with plastic film,in cartoon boxes. Special packaging requirements can also be accommodated. OEM is also acceptable
- Delivery Time: 5-21 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
- Material: Ni Cr Mo
- Elongation (\geq %): 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
- Application: Aerospace Industry,Chemical Processing
- Thermal Conductivity 32°C :9.4 W/m-K
- Highlight: **C22 Bright Anneal Wire, Nickel Hastelloy Alloy C276**



More Images



Product Description

Introduction:

Hastelloy C276 alloy wire also has certain applications in the food processing industry. Due to its excellent corrosion resistance and chemical stability, Hastelloy C276 alloy wire is widely used in food processing equipment and related applications.

Hastelloy C276 alloy wire provides reliable corrosion protection during food processing, especially in handling and storage environments involving acidic, alkaline or corrosive media. It resists corrosion from acidic foods, salt water solutions, food enzymes and other chemicals, avoiding potential harm to food quality and safety.

In addition, Hastelloy C276 alloy wire also has good acid corrosion resistance and can withstand contact with acidic foods and acidic cleaners in food processing equipment without damage. This makes it an ideal material for manufacturing food processing equipment such as tanks, pipes, mixers and reactors.

In addition, Hastelloy C276 alloy wire also complies with food safety standards and will not release or contaminate harmful substances to food, ensuring food hygiene and quality.

In summary, Hastelloy C276 alloy wire has important applications in the food processing industry. Its resistance to corrosion, acid etching and compliance with food safety standards make it ideal for building durable, efficient and safe food processing equipment.

Characteristic:

Corrosion resistance: Hastelloy C276 alloy wire has excellent corrosion resistance and can resist corrosion from acids, alkalis, salts and chemicals commonly used in food processing, ensuring the purity and hygiene of food.

High temperature stability: Alloy wire can maintain good mechanical properties and structural stability in high temperature environments, and is suitable for the requirements of high temperature food processing technology.

Harmlessness: Hastelloy C276 alloy wire complies with food safety standards and will not have adverse effects on food quality and health.

Advantage:

Corrosion resistance: Hastelloy C276 alloy wire has excellent corrosion resistance in the food processing industry and can resist the erosion of food acidic or alkaline media to ensure food quality and safety.

High-temperature stability: Alloy wire can maintain structural stability and performance in high-temperature environments, and is suitable for high-temperature food processing processes, such as baking, smoking, etc.

Hygienic performance: Hastelloy C276 alloy wire complies with food safety standards, is harmless to food, and will not produce harmful substances. At the same time, its anti-corrosion properties can prevent food contamination from metal dissociation.

Long life: Due to the corrosion resistance and high temperature stability of alloy wire, it has a long service life in food processing equipment, reducing the cost of equipment replacement and maintenance.

Application:

Food processing equipment: Hastelloy C276 alloy wire can be used to manufacture components of food processing equipment, such as containers, pipes, valves, etc., to ensure the stable operation of the equipment in corrosive environments.

Baking and smoking equipment: Alloy wire can be used to manufacture heating elements, mesh belts, etc. for high-temperature baking and smoking equipment and is favored for its high-temperature stability.

Food tanks and tanks: Alloy wire can be used to manufacture tanks and tanks for storing and transporting food, ensuring the safety and hygiene of food in acidic or alkaline environments.

Other relevant knowledge points:

In food processing equipment using Hastelloy C276 alloy wire, relevant hygiene standards and regulations need to be followed to ensure food quality and safety.

The manufacturing and processing of alloy wire requires strict control of alloy composition, temperature and processing technology to ensure product consistency and reliability.

Other factors in food processing, such as temperature, pressure, food ingredients, etc., also need to be considered when selecting alloy wire.

The application of Hastelloy C276 alloy wire can also be extended to other fields related to food processing, such as beverage industry, dairy industry and food packaging, etc., to meet the needs of different processing techniques and special requirements.

Parameter:

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

Hastelloy C276 Mechanical Properties (Minimum value at 20°C)		
Tensile Strength (σb/MPa)	Yield Strength (σp0.2/MPa)	Elongation (σ5/%)
996	549	30

Type we could offer

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
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contact us
email:victory@dlx-alloy.com

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



Changzhou Victory Technology Co., Ltd



+8619906119641



victory@dlx-alloy.com



victory-alloy.com

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