



Food Processing Industry Monel 400 Wire Comply With Food Safety Standards

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: Monel 400
- Minimum Order Quantity: 5 Kg
- Price: Negotiable
- Packaging Details: 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

- Product Name: Monel 400 Wire
- Material: Nickel Base Alloy
- Nickel(Min): 67%
- Density: 8.83 G/cm3
- Melting Point: 1300-1350°C
- Thermal Conductivity: 21.8 Watts/meter Kelvin
- Linear Expansion Coefficient: 13.0×10^{-6} /degrees Celsius
- Yield Strength: 240 MPa
- Tensile Strength: 520 MPa
- Elongation (\geq %): 40%
- Sureface: Bright,Oxided
- Highlight: **Monel Nickel Alloy Wire,
Nickel Based Monel Wire,
Corrosion Resistant Monel Wire**



More Images



Product Description

Introduction:

Monel 400 wire is a nickel-copper alloy wire widely used in the food processing industry. Due to its excellent corrosion resistance and hygienic properties, Monel 400 wire is considered one of the materials that meets food safety standards.

In the food processing industry, hygiene and food safety are vital considerations. Monel 400 wire has good corrosion resistance and can resist the erosion of acids, salts and other chemicals in food. This makes it ideal for manufacturing critical components such as food processing equipment, food storage containers and delivery pipes.

In addition, Monel 400 wire has good mechanical properties, including high strength and excellent wear resistance. This allows it to withstand high temperatures, high pressures and mechanical stresses during food processing, maintaining stable performance and reliability.

The hygienic properties of Monel 400 silk are also worth emphasizing. It has a smooth surface and is non-toxic and odorless, which will not negatively affect food quality. In addition, Monel 400 filament is easy to clean and disinfect, helping to keep food processing equipment hygienic and clean.

Parameter:

Item	Ni	Cu	Fe	Mn	C	Si	S
Monel 400	≥63	28-34	≤2.5	≤2	≤0.3	≤0.5	≤0.025

Item	Density	Melting point	Tensile Strength	Yield Strength	Elongation	HB
Monel 400	8.83 g/cm ³	1300-1390°C	480	170	35%	≥331

Monel 400	Bar/Rod	Forging	Pipe	Sheet/Strip	Welding Wire
Standard	ASTM B164	ASTM B564	ASTM B165	ASTM B127	ErNiCu-7

AMS Number	Alloy	Type	UNS	Cross Ref. Spec	Misc./Shape
AMS 4544 Plate	Monel 400	Nickel Copper	N04400	QQ-N-281	Plate
AMS 4544 Sheet	Monel 400	Nickel Copper	N04400	QQ-N-281	Sheet
AMS 4544 Strip	Monel 400	Nickel Copper	N04400	QQ-N-281	Strip
AMS 4574	Monel 400	Nickel Copper	N04400	-	Tubing
AMS 4675 Bar	Monel 400	Nickel Copper	N04400	ASTM B 164	Bar
AMS 4730	Monel 400	Nickel Copper	N04400	QQ-N-281	Wire
AMS 4731 Ribbon	Monel 400	Nickel Copper	N04400	-	Ribbon
AMS 4731 Wire	Monel 400	Nickel Copper	N04400	-	Wire



Shape	Size(mm)
Wire	0.15-7.5
Rod/Bar	8.0-200
Strip	(0.5-2.5)*(5-180)
Plate	custom made

Characteristic:

Corrosion resistance: Monel 400 alloy wire has excellent corrosion resistance and can resist corrosion from acidic and alkaline media during food processing.

Non-toxic: Monel 400 alloy wire is safe and non-toxic in food contact applications and will not contaminate food.

Antibacterial properties: It has certain antibacterial properties, which can inhibit the growth of bacteria and microorganisms and help maintain food hygiene and safety.

High temperature resistance: It has good high temperature stability and can maintain stable performance during high temperature processing.

Advantage:

Corrosion resistance: Monel 400 alloy wire shows excellent corrosion resistance during food processing and can resist the erosion of food acidic and alkaline media.

Non-toxic and safe: As a food contact material, Monel 400 alloy wire is safe and non-toxic and will not have a negative impact on food quality and human health.

High temperature resistance: It can maintain stable performance in high-temperature processing environments and is suitable for high-temperature food processing.

Wear resistance: It has good wear resistance and is suitable for friction and wear environments in contact with food.

Application:

Food processing equipment: Monel 400 alloy wire can be used to manufacture various equipment and components that come into contact with food, such as food mixers, conveyor belts, filters, etc.

Food storage and transportation equipment: suitable for manufacturing food storage tanks, transportation pipelines and transportation containers, etc., which can maintain the hygiene and safety of food.

Candy processing: In the candy manufacturing process, Monel 400 alloy wire can be used to make molds, packaging equipment, furnaces, etc.

Food baking: Suitable for manufacturing baking equipment and baking pans, etc., to maintain stable performance in high temperature environments.

Overall, Monel 400 alloy wire is a corrosion-resistant, non-toxic, and high-temperature resistant material choice in the food processing industry. Its safety and corrosion resistance in food contact applications make it suitable for applications in food processing equipment, food storage and transportation equipment, and food baking.

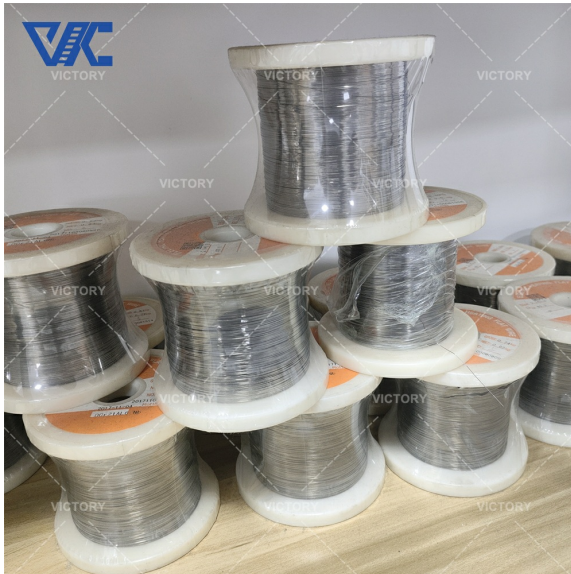
contact us

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Oem service:

Welcome customized size

We are experience factory for OEM&ODM service



Q&A:

Q: Can Monel 400 wire be customized according to specific requirements?

A: Yes, Monel 400 wire can be customized to meet specific requirements in terms of diameter, length, and other dimensions.

Q: What are the typical customization options available for Monel 400 wire?

A: Typical customization options for Monel 400 wire include variations in diameter, surface finish, temper, and packaging, allowing it to be tailored for specific applications and manufacturing processes.



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