



Customized Monel 400 Nickle Alloy Strip For Food Processing Industry

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: monel 400 strip packed into wooden box, OEM ODM is acceptable
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month

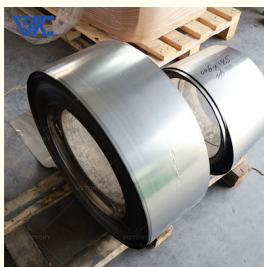


Product Specification

- Product Name: Monel 400 Strip
- Material: Nickle Alloy Material
- Nickel(Min): 63%
- Density: 8.83 G/cm³
- Melting Point: 1300-1350°C
- Elongation (≥ %): 40%
- Surface: Acid White/Bright
- Thermal Conductivity: 22.6 W/(m·K)
- Yield Strength: 240 MPa
- Tensile Strength: 550 MPa
- Hardness: HB 75-90
- Application: Food Processing Equipment, Food Storage And Transportation
- Highlight: Food Processing Industry Nickle Alloy Strip, Monel 400 Nickle Alloy Strip, Customized Monel 400 Nickle Alloy Strip



More Images



Product Description

Introduction:

Monel 400 Strip is a nickel alloy material with excellent performance characteristics. It contains no less than 63% nickel, has a density of 8.83 g/cm³, and a melting point between 1300-1350°C. The material has an elongation of 40%, the surface treatment is pickled white, and has good thermal conductivity and mechanical properties, including a yield strength of 240 MPa, a tensile strength of 550 MPa and a hardness of HB 75-90.

Monel 400 Strip is widely used in the food processing industry, mainly in food processing equipment, food storage and transportation. It has excellent corrosion resistance and can resist the erosion of acidic substances, salts and corrosive media during food processing, ensuring the hygiene and safety of food processing. Its excellent mechanical properties make it suitable for manufacturing equipment and components such as mixers, heat exchangers, filters and storage vessels. In addition, Monel 400 Strip has good thermal conductivity properties, which helps in heat transfer and control of food processing equipment. To sum up, Monel 400 Strip is an ideal material choice to provide high quality and reliable solutions for the food processing industry.

Features:

Food safety: Monel 400 strip has good food safety, will not cause adverse reactions or contaminate food, and meets the hygienic requirements of the food industry.

Corrosion resistance: Monel 400 strip has excellent corrosion resistance and can withstand corrosive media such as acids, alkalis and salts used in food processing.

High temperature performance: Monel 400 strip can maintain stability and mechanical properties in high temperature environments and is suitable for high temperature processes in food processing.

Parameter:**Chemical Properties of Monel 400**

Ni	Cu	Al	Ti	C	Mn	Fe	S	Si
63.0-70.0	27-33	2.30-3.15	.35-.85	0.25 max	1.5 max	2.0 max	0.01 max	0.50 max

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

Mechanical Properties

Typical Room Temperature Tensile Properties of Annealed Material

Product Form	Condition	Tensile (ksi)	.2% Yield (ksi)	Elongation %	Hardness
Rod & Bar	Hot-Finished/Aged	140-190	100-150	30-20	27-38 HRC
Rod & Bar	Hot Finished/Annealed	90-110	40-60	45-25	75-90 HRB
Rod & Bar	Hot Finished/Annealed/Aged	130-165	85-120	35-20	24-35 HRC
Rod & Bar	Cold-Drawn/Aged	135-185	95-160	30-15	25-41 HRC
Rod & Bar	Cold-Drawn/Annealed/Aged	130-190	85-120	30-20	24-35 HRC
Plate	ot-Finished/Aged	140-180	100-135	30-20	27-37 HRC
Sheet	Cold-Rolled/Annealed	90-105	40-65	45-25	85 HRB Max

For more details, pls directly contact us.

contact us

email:victory@dlx-alloy.com

Oem service:

Welcome customized size

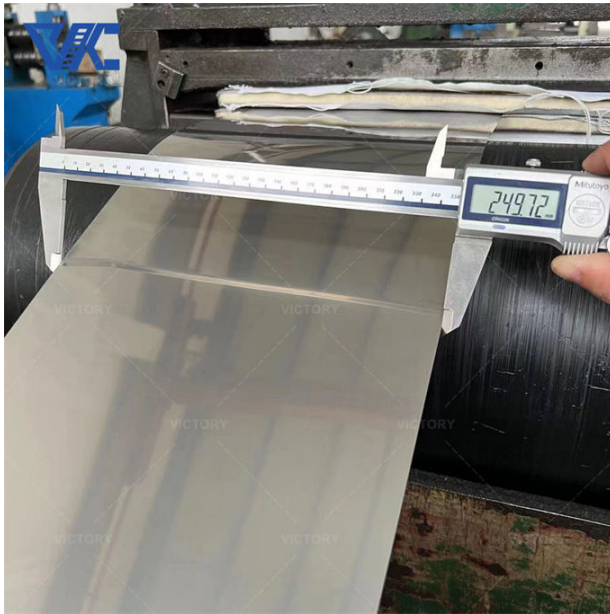
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Specific applications:

Food processing equipment: Monel 400 strip can be used to manufacture key components of food processing equipment, such as mixers, reactors and conveying systems, ensuring food safety and quality.

Food storage and transportation: Monel 400 strips can be used in food storage and transportation equipment, such as storage tanks, pipes and containers, to protect food from corrosion and contamination.

Food packaging: Monel 400 tape can be used in the manufacture of food packaging materials, such as sealing tapes and packaging films, to ensure the hygiene and freshness of food.



Q&A:

What are the main advantages of Monel 400 strip in the food processing industry?

Key advantages of Monel 400 strip include food safety, corrosion resistance and high temperature performance, making it a reliable material choice in the food processing industry.

What are the specific applications of Monel 400 strip in food processing equipment?

Monel 400 strip can be used to manufacture key components of food processing equipment, such as mixers and reactors, to resist corrosion and ensure food safety and quality.

What is the role of Monel 400 tape in food packaging?

Monel 400 tape can be used to manufacture food packaging materials, such as sealing tapes and packaging films, ensuring the hygiene and freshness of food and providing reliable packaging solutions.



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