



Corrosion Resistance Nickel Copper Alloy Monel 400 Strip For Chemical Industry

Our Product Introduction

for more products please visit us on victory-alloy.com

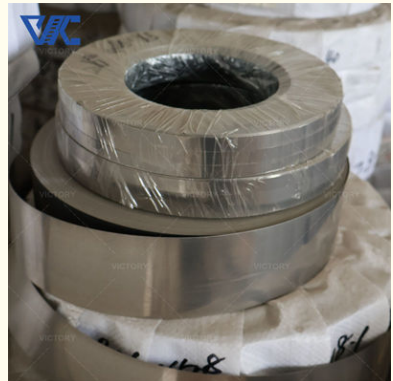
Basic Information

- 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

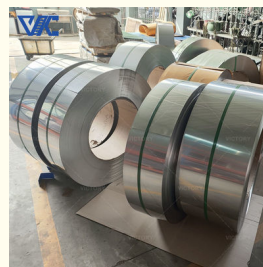


Product Specification

- Product Name: Monel 400 Strip
- Material: Nickel 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: Chemical Equipment, Seawater Treatment
- Highlight: **Nickel Copper Alloy Monel 400 Strip, Corrosion Resistance Monel 400 Strip, Chemical Industry Monel 400 Strip**



More Images



Product Description

Introduction:

Monel 400 Strip is a high-quality nickel alloy material, mainly composed of nickel, with a minimum content of 63%. It is widely used in various industrial fields, especially in chemical equipment and seawater treatment fields. The material has stable resistivity and is suitable for applications requiring reliable resistive performance. Compared with other materials, Monel 400 Strip performs well in high temperatures and corrosive environments, so it is widely used in chemical engineering and chemical equipment. It can withstand corrosive media and acidic environments and has excellent corrosion resistance and wear resistance.

The tensile strength of Monel 400 Strip exceeds 690 MPa and has an elongation of more than 40%, indicating that it has good mechanical properties and plasticity. This makes it suitable for engineering applications that need to withstand high stresses and loads, such as structural components of chemical equipment and seawater treatment equipment in marine environments.

Features:

Corrosion resistance: Monel 400 strip has excellent corrosion resistance and can resist a variety of corrosive media, including acids, alkalis and salt water, and is suitable for corrosive environments in the chemical industry.

High Strength: Monel 400 strip has high mechanical and tensile strength and is able to withstand the high pressure and high load conditions found in the chemical industry.

Good toughness: Monel 400 strip has good toughness and impact resistance, allowing it to maintain structural integrity under harsh working conditions.

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

We are experience factory for OEM&ODM service

Specific applications:

Chemical equipment: Monel 400 strips can be used to manufacture key components of chemical equipment, such as reactors, heat exchangers and storage tanks, and can resist the erosion of various corrosive media.

Seawater treatment: Monel 400 strips can be used in seawater desalination and seawater treatment equipment, such as seawater desalators, distillers and brine filters, etc., and can resist corrosion and erosion in seawater.

Chemical pipelines: Monel 400 strips can be used to manufacture chemical pipelines and pipeline connectors, and are used to transport corrosive media and chemical fluids under high temperature and high pressure conditions.



Q&A:

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

The main advantages of Monel 400 strip include excellent corrosion resistance, high strength and good toughness, making it an ideal material for resisting corrosive media in the chemical industry.

What are the specific applications of Monel 400 strips in seawater treatment?

Monel 400 strips can be used in seawater desalination and seawater treatment equipment, such as seawater desalators and saltwater filters, to resist corrosion and erosion in seawater, ensuring the reliability and durability of the equipment.

What is the role of Monel 400 strip in chemical pipelines?

Monel 400 strips can be used to manufacture chemical pipelines and pipeline connections. They are used to transport corrosive media and chemical fluids under high temperature and high pressure conditions. They have excellent corrosion resistance and high strength.



Changzhou Victory Technology Co., Ltd



+8619906119641



victory@dlx-alloy.com



victory-alloy.com

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