



## Copper Nickel Alloy Nickel Based Alloy Strip Monel 400 Strip For Marine Engineering

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

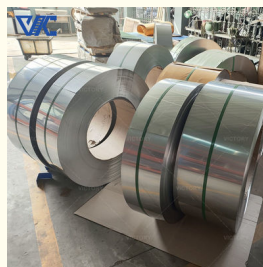
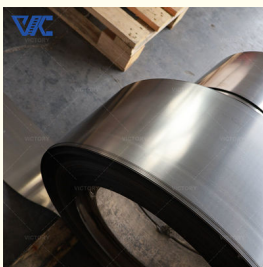


### Product Specification

- Product Name: Monel 400 Strip
- Material: Nickle Alloy Material
- Nickel(Min): 63%
- Density: 8.83 G/cm<sup>3</sup>
- 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: Ocean Structure, Ocean Structure
- Highlight: Marine Engineering Monel 400 Strip, Copper Nickel Alloy Monel 400 Strip, Nickel Based Alloy Monel 400 Strip



### More Images



### Product Description

## Introduction:

Monel 400 Strip is a nickel alloy material, mainly composed of nickel, with a minimum nickel content of 63%. It has a density of 8.83 g/cm<sup>3</sup> and a melting point between 1300-1350°C. The elongation of this material reaches more than 40%, and the surface treatment is pickled white and bright. The thermal conductivity is 22.6 W/(m·K), the yield strength is 240 MPa, and the tensile strength is between 550 MPa and 690 MPa. The hardness is between HB 75-90. It is mainly used in the field of marine engineering and used in marine structures.

Monel 400 Strip has a wide range of applications in marine engineering. This material has excellent corrosion resistance and resistance to seawater erosion, making it suitable for structures and equipment in various marine environments. It can withstand salt, acidic media and corrosive gases in seawater, maintaining good performance and reliability.

Its high elongation gives Monel 400 Strip good plasticity and toughness when withstanding the stresses and loads found in marine environments. This makes it an ideal material for marine structures such as offshore platforms, marine pipelines, ship components, etc.

## Features:

Seawater corrosion resistance: Monel 400 strip has excellent seawater corrosion resistance and can resist the erosion of chloride, salt water and marine organisms in the marine environment.

High strength: Monel 400 strip has high mechanical strength and tensile strength, and can withstand high pressure and high load conditions in offshore engineering.

Resistance to stress corrosion cracking: Monel 400 strip has good resistance to stress corrosion cracking and is suitable for stress corrosion environments in marine environments.

## 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 <sup>3</sup>	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**

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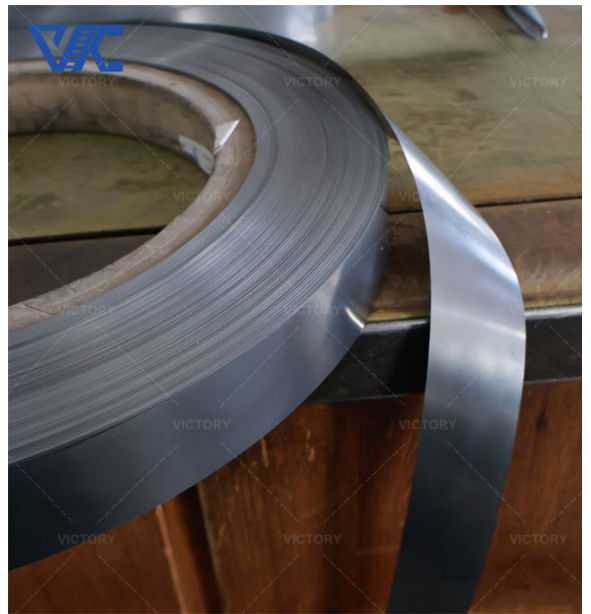
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## Specific applications:

Marine structures: Monel 400 strips can be used to manufacture key components of marine structures, such as offshore platforms, subsea pipelines and marine equipment, and can resist seawater corrosion and the erosion of the marine environment.

Diving equipment: Monel 400 tape can be used to manufacture key components of diving equipment, such as diving boats, submersibles and deep-sea exploration equipment, and can withstand the challenges of high pressure and marine environments.

Marine accessories: Monel 400 strip can be used to manufacture marine accessories, such as ship pipes, valves and hull structures, which can resist seawater corrosion and the erosion of the marine environment.



### Q&A:

What are the main advantages of Monel 400 strip in offshore engineering?

The key advantages of Monel 400 strip include excellent seawater corrosion resistance, high strength and resistance to stress corrosion cracking, making it an ideal material for resisting the erosion of the marine environment in offshore engineering.

What are the specific applications of Monel 400 tape in diving equipment?

Monel 400 tape can be used to manufacture key components of diving equipment, such as diving boats and submersibles. It can withstand the challenges of high pressure and marine environments, ensuring the reliability and durability of the equipment.

What is the role of Monel 400 strip in marine accessories?

Monel 400 strips can be used to manufacture ship accessories, such as ship pipes and valves, which can resist seawater corrosion and corrosion in the marine environment, ensuring the reliable operation and safety of ships.



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