High Precision Industrial Nickel Alloy Steel Coil Strip Monel 400 UNS N04400 Resistant Strip

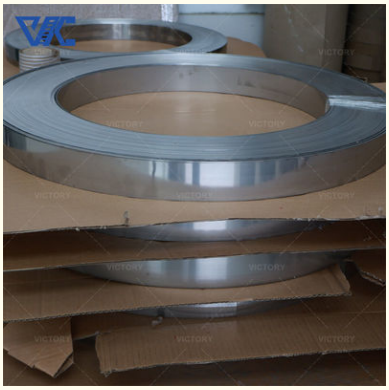
Our Product Introduction

Basic Information

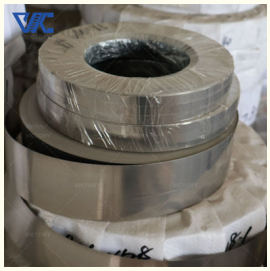
- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: Monel 400
- Minimum Order Quantity: 5 Kg
- Price: Negotiable
- Packaging Details: monel 400 strip packed into wooden box, OEM ODM is acceptable
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month

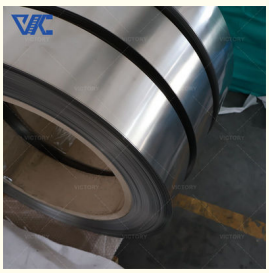
Product Specification

- 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: Aero Engine Parts, Aerospace Devices
- Highlight: **High Precision monel 400 Strip**, **Industrial monel 400 Strip**, **UNS N04400 Resistant Strip**



More Images





Product Description

Our Product Introduction

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

Introduction:

Monel 400 Strip plays an important role in the aerospace industry. As a high-performance nickel alloy material, Monel 400 Strip has excellent performance and characteristics and is suitable for various applications in the aerospace field.

The main component of Monel 400 Strip is nickel, with a minimum content of 63%. It has excellent corrosion resistance and can resist corrosion and oxidation in various environments, including high temperature, high pressure and chemical media. This makes it an important choice in the aerospace industry where corrosion-resistant materials are required.

The material has high strength and excellent mechanical properties, allowing it to withstand the high stresses and loads found in aerospace applications. The yield strength of Monel 400 Strip is 240 MPa, the tensile strength is around 550 MPa, it has good ductility, and the elongation rate reaches more than 40%. This makes it suitable for the manufacture of critical components such as aircraft engine parts, turbine blades, gas turbine assemblies and spacecraft structures. Monel 400 Strip also has important heat resistance properties. It has a high melting point (1300-1350°C) and can maintain stability and reliability in high temperature environments. This makes it suitable for the manufacture of high-temperature components such as aerospace engines, combustion chambers and nozzles.

Features:

High temperature performance: Monel 400 strip has good high temperature stability and can maintain the structural stability and mechanical properties of the material in high temperature environments.
Corrosion resistance: Monel 400 strip has excellent corrosion resistance and can withstand corrosive media in the aerospace industry, including acids, alkalis and high-temperature gases.
Lightweight: Monel 400 tape is relatively lightweight compared to other high-strength materials, helping to reduce the weight of aerospace devices and improve overall performance.

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/cm3	1300-1390℃	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

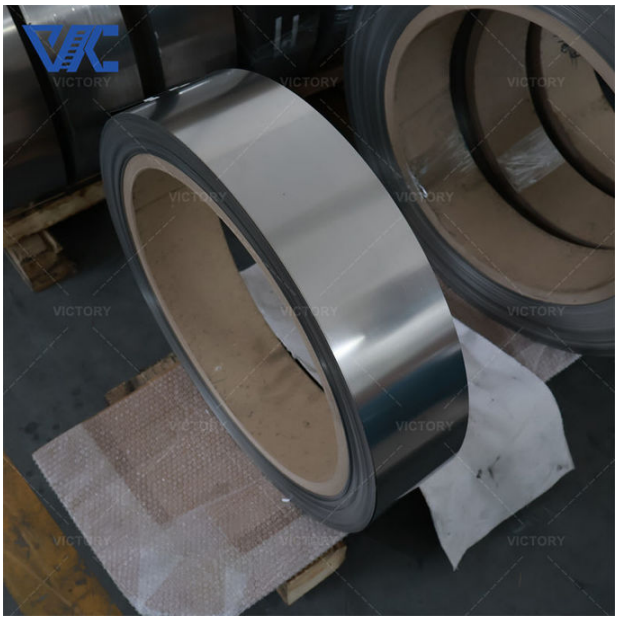
Product Form	Condition	Tensile (ksi)	.2% Yield (ksi)	Elongation %	Hardness
Rod & Bar	Hot-Finished/Aged	140-190	100-150	30-20	27-38 HRC
Rod & Bar	Hot Finished/Annealed	90-110	40-60	45-25	75-90 HRB
Rod & Bar	Hot Finished/Annealed/Aged	130-165	85-120	35-20	24-35 HRC
Rod & Bar	Cold-Drawn/Aged	135-185	95-160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

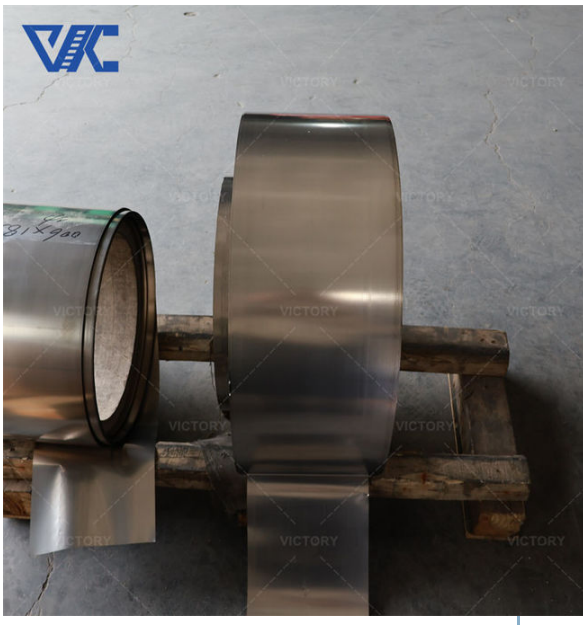
For more details, pls directly contact us.

contact us
email:victory@dlx-alloy.com
Oem service:
Welcome customized size
We are experience factory for OEM&ODM service

Specific applications:

Aero-engine components: Monel 400 strip can be used to manufacture aero-engine components, such as turbine blades, combustion chambers and nozzles, which can withstand high temperature and corrosive environmental requirements.
Aerospace components: Monel 400 strips can be used in the manufacture of aerospace components, such as fuel storage tanks, thrusters and navigation systems, and can maintain stability and reliability in harsh aerospace environments.
Aerospace structural parts: Monel 400 strip can be used in the manufacture of aerospace structural parts, such as aircraft shells, wings and landing gear, etc., to resist corrosion and provide strength support.





Q&A:

What are the main advantages of Monel 400 strip in the aerospace industry?
The key advantages of Monel 400 tape include high temperature stability, corrosion resistance and lightweight, making it an important material choice in the aerospace industry.

What are the specific applications of Monel 400 strips in aero-engine components?
Monel 400 strip can be used to manufacture aerospace engine components such as turbine blades and nozzles, which can withstand high temperature and corrosive environmental requirements to ensure engine reliability and performance.

What is the role of Monel 400 strips in aerospace structural parts?
Monel 400 strips can be used to manufacture aerospace structural parts, such as aircraft shells and wings. They can resist corrosion and provide lightweight strength support, providing important material choices for the design and manufacturing of aerospace devices.

Changzhou Victory Technology Co., Ltd

+8619906119641 victory@dlx-alloy.com victory-alloy.com

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