



## Chemical Industry ASTM Inconel 600 Strip Nickel Alloy With Chemical Stability

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: Inconel 600
- Minimum Order Quantity: 1 Kg
- Price: Negotiable
- Packaging Details: Packed as coil. Special packaging requirements can also be accommodated. OEM is also acceptabl
- Delivery Time: 7 to 20 Days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 100 Ton/Tons per Month

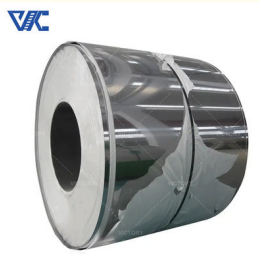


### Product Specification

- Product Name: Inconel 600 Strip
- Material: Ni Cr Fe
- Ni (Min): 72%
- Density (g/m3): 8.47 G/cm3
- Melting Point: 1,370-1,410°C
- Elongation (≥ %): 30 %
- Thermal Conductivity: 15.9 W/m-K
- Surface: Bright,Oxidized
- Application: Evaporators, Reactors, Oil Storage Tanks, Pipelines
- Yield Strength: 240 MPa
- Tensile Strength: 550 MPa
- Hardness: ≤ 160 HB
- Highlight: **ASTM Inconel 600 Strip, Inconel Hot Rolled Steel Strip, Nickel Alloy Inconel 600 Strip**



### More Images



### Product Description

## Introduction:

Inconel 600 tape is a high-temperature alloy tape composed primarily of nickel, chromium and iron. Its nickel content is not less than 72%. The tape has a density of 8.47 grams per cubic centimeter and a melting point between 1,370 and 1,410 degrees Celsius. Has an elongation of 30% and a thermal conductivity of 15.9 W/m-Kelvin. The surface can appear bright or oxidized.

Inconel 600 tape is widely used in evaporators, reactors, oil tanks and pipelines. It has a yield strength of 240 MPa, a tensile strength of 550 MPa and a hardness not exceeding 160 HB. The alloy performs well in high-temperature environments, has excellent corrosion resistance and high strength, and can adapt to a variety of demanding industrial application requirements.

## Characteristic:

**Corrosion resistance:** Inconel 600 belt has excellent corrosion resistance and can resist the erosion of a variety of acidic, alkaline and oxidizing media. It maintains good corrosion resistance in high temperature and high pressure environments.

**Oxidation resistance:** This tape has excellent antioxidant properties, which can reduce oxidation losses in high-temperature oxidizing environments and extend the service life of the material.

**High temperature strength:** Inconel 600 tape has good high temperature strength and heat resistance, and can maintain structural stability and mechanical properties in high temperature environments.

## Advantage:

**Broad Chemical Stability:** Inconel 600 tape has broad stability in a variety of chemical media, including acids, alkalis, salts, and more. This makes it ideal for handling corrosive media in the chemical industry.

**Good processability:** The strip has good processability and can be subjected to cold processing and hot processing, such as cold rolling, hot rolling, welding, etc., making it easy to manufacture components and equipment of various shapes and sizes.

**Long Life and Reliability:** Due to its corrosion resistance and high temperature strength, Inconel 600 strip is capable of long-term stable operation in harsh chemical environments and high temperature conditions, providing long life and reliability.

## Application:

**Chemical equipment:** Inconel 600 belts are commonly used to manufacture components of chemical equipment, such as heat exchangers, evaporators, reactors, storage tanks, etc. It can resist the erosion of corrosive media and high-temperature environments produced in chemical processes, ensuring the performance and reliability of the equipment.

**Oil and natural gas industry:** This strip is suitable for oil and natural gas processing fields and is used to manufacture petroleum refining equipment, oil storage tanks, pipelines, etc., and can withstand the requirements of high temperature, high pressure and corrosive media.

**Nuclear industry:** Inconel 600 tape is also used in the nuclear industry. It is used to manufacture fuel elements, nuclear fuel cladding, etc. for nuclear reactors. It has good radiation resistance and corrosion resistance.

## Other relevant knowledge points:

Inconel 600 is a nickel-chromium alloy with good high-temperature strength, corrosion resistance and oxidation resistance.

The application of this alloy in the chemical industry requires selection and design based on the characteristics of the specific medium, temperature, pressure and other process parameters to ensure that equipment and components can meet the requirements of the chemical process.

The use and processing of Inconel 600 strips need to follow corresponding standards and specifications to ensure product quality and safety.

## Parameter:

### Chemical Properties of Inconel 600

Element	Percent
Nickel (plus Cobalt) (Min)	72
Chromium	14-17
Iron	6-10
Carbon (Max)	.15
Manganese (Max)	1
Sulfur (Max)	.015
Silicon (Max)	.5
Copper (Max)	.5

### Type we could offer

AMS Number	Alloy	Misc./Shape
<a href="#">AMS 5540</a>	Inconel 600	
<a href="#">AMS 5540 Plate</a>	Inconel 600	Plate
<a href="#">AMS 5540 Sheet</a>	Inconel 600	Sheet
<a href="#">AMS 5540 Strip</a>	Inconel 600	Strip

AMS Number	Alloy	Misc./Shape
<a href="#">AMS 5580 Custom Tube</a>	Inconel 600	Custom Tube
<a href="#">AMS 5580 Tubing</a>	Inconel 600	Tubing
<a href="#">AMS 5665 Bar</a>	Inconel 600	Bar
<a href="#">AMS 5665 Custom Tube</a>	Inconel 600	Custom Tube
<a href="#">AMS 5665 Ring</a>	Inconel 600	Ring
<a href="#">AMS 5961</a>	Inconel 600	Wire

### contact us

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Oem service:

Welcome customized size

We are experience factory for OEM&ODM service



### Q & A:

Q: Can your company provide customized Inconel 600 strips to meet specific project requirements?

A: Yes, our company offers customized Inconel 600 strips tailored to meet specific project requirements. We work closely with customers to understand their unique needs and provide customized solutions in terms of dimensions, thickness, and surface finishes.

Q: What is the lead time for ordering Inconel 600 strips from your company?

A: Our lead time for Inconel 600 strip orders varies depending on the quantity and customization requirements. We strive to provide prompt delivery and work efficiently to meet our customers' timelines. Our sales team can provide you with an estimated lead time based on your specific order details.



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