



Aerospace Industry No6600 Alloy Strip Inconel 600 Strip With Lightweight Design

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,Oxided
- Application: Aircraft Engines, Gas Turbines, Aircraft Structures
- Yield Strength: 240 MPa
- Tensile Strength: 550 MPa
- Hardness: ≤ 160 HB
- Highlight: Aerospace Industry No6600 Alloy Strip, Lightweight Inconel 600 Strip



More Images



Product Description

Introduction:

Inconel 600 tape has excellent high temperature performance and corrosion resistance, making it one of the indispensable materials in the aerospace industry. It contains no less than 72% nickel and has excellent high-temperature stability, with a melting point ranging from 1,370 to 1,410 degrees Celsius. The alloy strip has a density of 8.47 g/cm³ and a hardness of no more than 160 HB.

In the aerospace field, Inconel 600 tape is widely used in key components such as engine components, combustion chambers, turbine blades, and spacecraft structures. It has high strength, with a yield strength of 240 MPa and a tensile strength of 550 MPa, and can withstand high temperatures, high pressures and extreme working conditions. At the same time, its elongation reaches 30%, and it has good plasticity and processability.

Inconel 600 tape also exhibits excellent resistance to oxidation and corrosion, making it capable of handling harsh working environments. Its applications in the aerospace industry cover the fields of thermal management systems, structural design and corrosion protection, providing stable temperature control and reliable protection.

In summary, Inconel 600 tape is a key material in the aerospace industry with excellent high temperature performance, corrosion resistance and high strength. Its alloy composition and parameters make it suitable for various aerospace devices and structures, and plays an important role in promoting the progress and development of aerospace technology.

Characteristic:

High temperature strength: Inconel 600 tape has excellent high temperature strength and heat resistance, and can maintain high strength and stability in high temperature environments.

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

Corrosion resistance: Inconel 600 tape has excellent corrosion resistance and can resist corrosive media in the aerospace environment, such as acidic gases and seawater.

Advantage:

Lightweight design: Inconel 600 tape has lower density and high strength, which meets the needs of the aerospace industry for lightweight design, which can reduce the weight of aircraft and improve fuel efficiency and performance.

High-temperature environment applications: The strip can maintain stability and strength in high-temperature environments and is suitable for the manufacture of aerospace engines, turbojet engines and other high-temperature components.

Corrosion resistance: Inconel 600 tape has good resistance to corrosive media found in the aerospace industry, such as acid gases and corrosion in marine environments.

Application:

Aero-engine parts: Inconel 600 tape can be used to manufacture high-temperature parts in aero-engines, such as turbine disks, combustion chamber parts, gas turbines, etc., to meet the requirements of high-temperature and corrosive environments.

Gas Turbine: This strip can be used in turbojet engines in gas turbines to make key components such as turbine blades and turbine disks.

Aerospace structural parts: Inconel 600 tape can be used to manufacture aerospace structural parts, such as aircraft structural supports, connectors and corrosion-resistant parts.

Other relevant knowledge points:

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

The aerospace industry has very strict requirements on materials and needs to consider factors such as high temperature, high pressure, corrosion and fatigue. Therefore, Inconel 600 tape must be subject to strict quality control and testing to ensure the reliability and safety of the material.

High-temperature alloys play an important role in the aerospace industry, meeting the needs of aircraft under extreme conditions and improving flight performance 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
AMS 5540	Inconel 600	
AMS 5540 Plate	Inconel 600	Plate
AMS 5540 Sheet	Inconel 600	Sheet

AMS Number	Alloy	Misc./Shape
AMS 5540 Strip	Inconel 600	Strip
AMS 5580 Custom Tube	Inconel 600	Custom Tube
AMS 5580 Tubing	Inconel 600	Tubing
AMS 5665 Bar	Inconel 600	Bar
AMS 5665 Custom Tube	Inconel 600	Custom Tube
AMS 5665 Ring	Inconel 600	Ring
AMS 5961	Inconel 600	Wire

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



Size Range	
Wire	0.05-8.0mm
Rod/Bar	8.0-200mm
Strip	(0.05-0.5)*(5-200)mm
Plate	custom made
Tube	custom made



Q & A:

Q: Can Inconel 600 strip be customized to specific requirements?

A: Yes, Inconel 600 strip can be customized in terms of dimensions, thickness, and surface finish to meet specific application needs.

Q: What benefits does the customization of Inconel 600 strip offer?

A: The customization of Inconel 600 strip allows for tailored solutions, ensuring optimal fit and performance in critical components requiring high-temperature and corrosion-resistant properties.



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