



Chemical Industry Nickel Alloy 600 Inconel Sheet With Excellent Mechanical Properties

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: 5 Kg
- Price: Negotiable
- Packaging Details: Standard Seaworthy Package
- Delivery Time: 7 to 20 Days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month

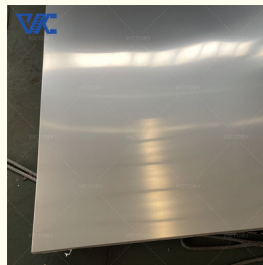
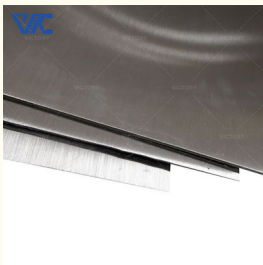


Product Specification

- Product Name: Inconel 600 Plate
- Material: Ni Cr Fe
- Nickel (Min): 72%
- Melting Point: 1,370-1,415°C
- Density: 8.47 G/cm³
- Application: Pickling Equipment, Reactors And Heat Exchangers
- Tensile Strength: ≥550 MPa
- Yield Strength: ≥240 MPa
- Highlight: Chemical Industry 600 Inconel Sheet, Nickel Alloy 600 Inconel Sheet



More Images



Product Description

Introduction:

Inconel 600 plate is a high-performance nickel-chromium alloy material widely used in the chemical industry. This product has excellent corrosion resistance and can resist the erosion of acidic, alkaline and salt corrosive media. It can maintain excellent performance and durability in harsh chemical environments, so it is widely used in corrosive media treatment equipment, reactors and pipeline systems in the chemical industry. Inconel 600 board has high temperature stability and is able to maintain its mechanical properties and structural integrity in high temperature environments. It is widely used in industrial equipment such as high-temperature furnaces, burners and furnace tubes due to its ability to withstand extreme temperatures and pressures in high-temperature operating conditions. The product has an elongation rate of more than 30% and good plasticity, making it easy to manufacture chemical equipment of various shapes and sizes. Its thermal conductivity is 15.9 Watts/meter Kelvin, which helps conduct heat quickly and improves the thermal efficiency of the device. In summary, Inconel 600 plate, as a high-quality nickel-chromium alloy material, has excellent corrosion resistance, high temperature stability and mechanical properties, and is widely used in corrosive media treatment, high temperature process equipment and pipeline systems in the chemical industry. It provides reliable, durable solutions that meet the chemical industry's stringent requirements for material performance and reliability.

Characteristic:

Corrosion resistance: Inconel 600 board has excellent corrosion resistance to acidic media, corrosive gases and oxidizing environments, and can resist corrosion from many strong acids, alkalis and salt solutions. High temperature strength: The plate can still maintain high strength and stability under high temperature conditions and has excellent heat resistance. Excellent mechanical properties: Inconel 600 plate has high tensile strength, yield strength and hardness, as well as good toughness and plasticity.

Advantage:

Corrosion Resistance: Inconel 600 board performs well in corrosive environments and is resistant to corrosion by many chemical media, including acidic solutions, alkaline solutions, and oxidizing media. Therefore, in the chemical industry, this plate can be used to manufacture various corrosion-resistant equipment and pipes.

Application:

Pickling equipment: Inconel 600 plates can be used to manufacture pickling equipment in the chemical industry, such as pickling tanks and pickling towers. It resists corrosion from acidic solutions while maintaining stability at high temperatures. Reactors and Heat Exchangers: Due to its corrosion resistance and high temperature strength, Inconel 600 plate is often used to manufacture chemical reactors and heat exchangers. These equipment are often exposed to corrosive media and high temperature conditions, so they require materials that are corrosion-resistant and high-temperature resistant. Catalyst Tubes: Inconel 600 plates are used in the manufacture of catalyst tubes in the chemical industry. Catalyst tubes need to withstand high temperatures and corrosive gases, and Inconel 600 plates have good high-temperature strength and corrosion resistance to meet these requirements.

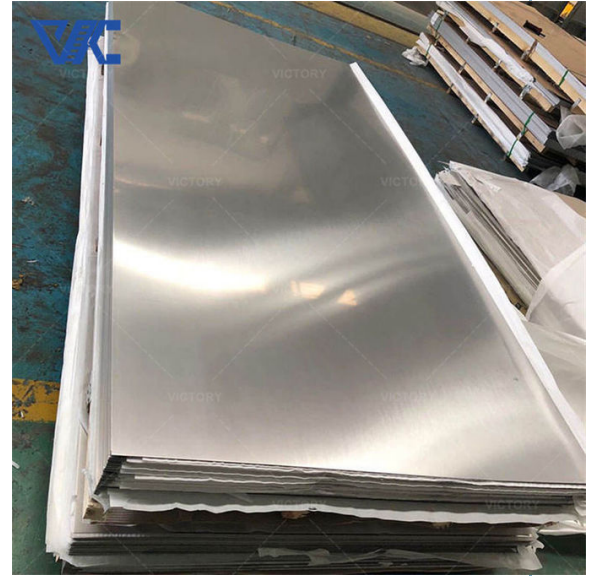
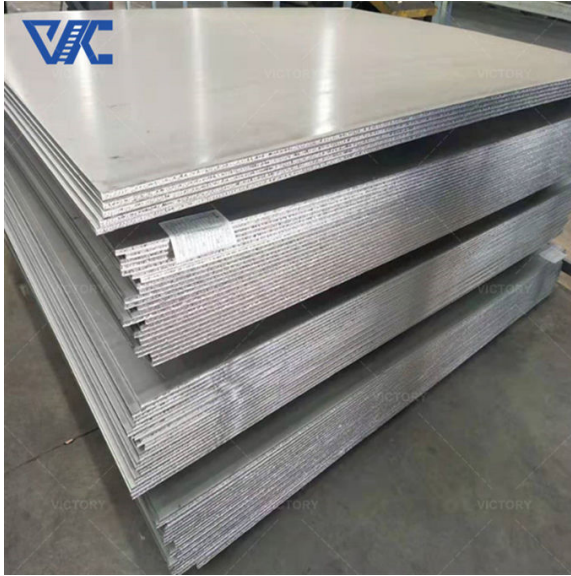
Other relevant knowledge points:

When selecting Inconel 600 sheets, factors such as specific process requirements, media properties, and operating conditions need to be considered. Different chemical media and process conditions may require different material selections. When using Inconel 600 sheet to manufacture chemical equipment, proper welding, machining and surface treatment are required to ensure the integrity and corrosion resistance of the equipment. Material selection and design in the chemical industry need to follow relevant standards and specifications to ensure the safety and reliability of equipment.



Wire: 0.5-7.5mm
Rod/Bar: 8-200mm
Strip: (0.5-2.5)*(5-180)mm
Tube: Customized
Plate: Customized

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



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