



Medical Field Inconel 625 Nickel Alloy Strip With Corrosion Resistance

Our Product Introduction

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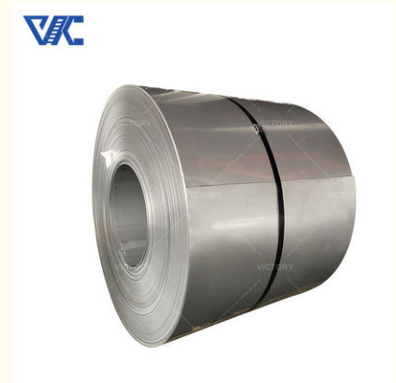
Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: Inconel 625
- Minimum Order Quantity: 1 Kg
- Price: Negotiable
- Packaging Details: Packed as coil. Special packaging requirements can also be accommodated. OEM is also acceptable
- 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 625 Strip
- Material: Ni Cr Fe
- Ni (Min): 58%
- Application: Surgical Instruments, Medical Equipment, Medical Consumables
- Density (g/m3): 8.44 G/cm3
- Thermal Expansion Coefficient: $12.8 \times 10^{-6} / ^\circ\text{C}$
- Thermal Conductivity: 13.3 W/(m-K)
- Elongation ($\geq \%$): 45%
- Melting Point: 1290-1350°C
- Yield Strength: 275 MPa
- Tensile Strength: 620 MPa
- Highlight: Corrosion Resistance Inconel 625, Inconel Alloy Strip 625, Inconel 625 Nickel Alloy Strip



More Images



Product Description

Introduction:

Inconel 625 tape has a wide range of applications in the medical field. As a high-temperature alloy strip, it offers excellent corrosion resistance and high-temperature strength, as well as good biocompatibility and wear resistance, making it an ideal choice for medical device and medical device manufacturing.

In the medical field, Inconel 625 tape is widely used in the manufacture of surgical instruments, implants, and other medical equipment. Its excellent corrosion resistance and high temperature strength can meet the requirements of high temperature sterilization and corrosion resistance, ensuring the reliability and safety of the equipment. In addition, its biocompatibility makes it an ideal material for the manufacture of implants such as artificial joints, stents and dental implants. Its wear resistance also makes it play an important role in components and connectors in medical equipment.

The excellent properties and parameters of Inconel 625 tape include density, thermal expansion coefficient, thermal conductivity, yield strength, tensile strength, elongation and melting point. These characteristics enable it to meet the high requirements for materials in the medical field and provide reliable material solutions for the medical industry. In terms of surgery, treatment and diagnosis, the application of Inconel 625 tape has made important contributions to the progress and development of the medical field.

Characteristic:

Corrosion resistance: Inconel 625 tape has excellent corrosion resistance and can withstand corrosive media in medical environments, including body fluids, blood and drugs.

High temperature stability: Inconel 625 tape can maintain high strength and stability under high temperature conditions, and is suitable for high temperature components and high temperature sterilization requirements in medical equipment.

Biocompatibility: The tape has good biocompatibility and has no obvious toxicity or allergic reaction to human tissue and blood.

Advantage:

Corrosion Resistance: One of the advantages of Inconel 625 tape in the medical field is its excellent corrosion resistance, allowing it to be used without damage for long periods of time in both internal and external medical environments.

High strength: This tape has high strength properties and can be used to manufacture structural and support components in medical equipment and instruments, providing reliable support and stability.

High-temperature sterilization capability: Inconel 625 tape is able to withstand high-temperature sterilization processes, such as high-temperature steam sterilization and high-temperature heat treatment, ensuring the hygiene and safety of medical equipment.

Application:

Medical devices: Inconel 625 tape can be used in the manufacturing of devices in the medical field, such as surgical instruments, surgical forceps, implants and orthopedic instruments. Its corrosion resistance and high strength make it suitable for devices with long-term implantation or frequent contact with body fluids.

Medical Equipment: Inconel 625 tape can be used in medical equipment manufacturing, such as X-ray equipment, CT scanners and MRI machines. Its high temperature stability and corrosion resistance make it suitable for high temperature parts and parts in contact with body fluids.

Medical consumables: Inconel 625 tape can be used in the manufacturing of consumables in the medical field, such as surgical catheters, wires, and stents. Its high strength and corrosion resistance allow it to withstand the stress and corrosion requirements during surgery and treatment.

Other relevant knowledge points:

The medical field refers to the industrial field involving health care, medical research, and medical equipment.

In the medical field, material selection needs to consider factors such as biocompatibility, corrosion resistance, high temperature performance and processability.

The design, manufacture and use of medical equipment and devices need to comply with relevant regulations and standards of the medical industry to ensure the safety, reliability and compliance of the equipment with medical industry requirements.

Parameter:

Chemical Properties of Inconel 625

Nickel	Chromium	Molybdenum	Iron	Niobium and Tantalum	Cobalt	Manganese	Silicon
58%	20%-23%	8%-10%	5%	3.15%-4.15%	1%	0.5%	0.5%

Type we could offer

AMS Number	Alloy	Type	UNS	Cross Ref. Spec	Misc./Shape
AMS 5581	Inconel 625	Nickel	N06625		
AMS 5581 Custom Tube	Inconel 625	Nickel	N06625	-	Custom Tube

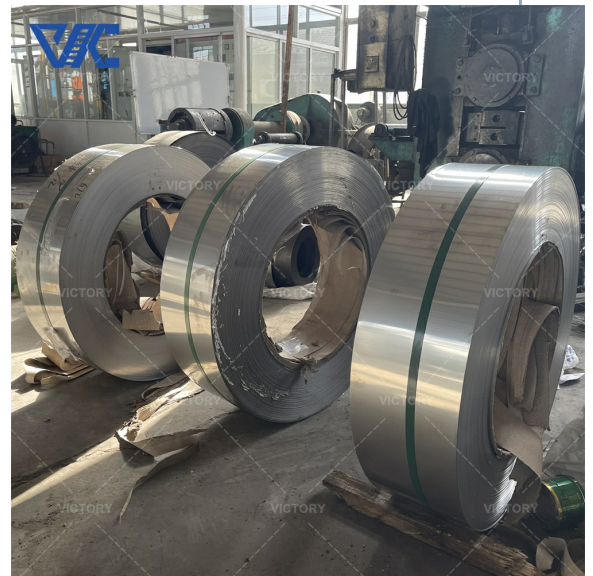
AMS Number	Alloy	Type	UNS	Cross Ref. Spec	Misc./Shape
AMS 5581 Tubing	Inconel 625	Nickel	N06625	-	Tubing
AMS 5599	Inconel 625	Nickel	N06625		
AMS 5599 Plate	Inconel 625	Nickel	N06625	-	Plate
AMS 5599 Sheet	Inconel 625	Nickel	N06625	-	Sheet
AMS 5599 Strip	Inconel 625	Nickel	N06625	-	Strip
AMS 5666	Inconel 625	Nickel	N06625		
AMS 5666 Bar	Inconel 625	Nickel	N06625	-	Bar
AMS 5666 Custom Tube	Inconel 625	Nickel	N06625	-	Custom Tube
AMS 5666 Forging	Inconel 625	Nickel	N06625	-	Forging
AMS 5666 Ring	Inconel 625	Nickel	N06625	-	Ring
AMS 5869	Inconel 625	Nickel	N06625		
AMS 5869 Plate	Inconel 625	Nickel	N06625	-	Plate

AMS Number	Alloy	Type	UNS	Cross Ref. Spec	Misc./Shape
AMS 5869 Sheet	Inconel 625	Nickel	N06625	-	Sheet
AMS 5869 Strip	Inconel 625	Nickel	N06625	-	Strip

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



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