



Nickel Alloy 625 Strip UNS N06625 Strip Special Metals Strip For Nuclear Energy Industry

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 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 625 Strip
- Material: Ni Cr Fe
- Ni (Min): 58%
- Application: Nuclear Reactor Components, Radiation Protection Devices
- 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: **UNS N06625 Strip, Nickel Alloy 625 Strip, N06625 Special Metals Strip**



More Images



Product Description

Introduction:

Inconel 625 strip is a special alloy strip widely used in the nuclear energy industry. With its excellent corrosion resistance, high-temperature strength and radiation resistance, it is an ideal choice for critical areas such as nuclear reactors, nuclear fuel processing and nuclear waste disposal. Its parameters include density, thermal expansion coefficient, thermal conductivity, yield strength, tensile strength, elongation and melting point, etc. Overall, Inconel 625 belts provide important material solutions for the nuclear energy industry to ensure the safety, reliability and environmental friendliness of nuclear facilities.

Characteristic:

Corrosion resistance: Inconel 625 belt has excellent corrosion resistance and can withstand corrosive media in the nuclear energy industry, including high-temperature steam, acidic and alkaline solutions, etc.

Oxidation resistance: This strip has good antioxidant properties and can prevent oxidation and corrosion in high temperature environments, enhancing the durability and life of nuclear energy facilities.

High temperature stability: Inconel 625 tape can maintain high strength and stability under high temperature conditions and is suitable for high temperature components and nuclear reactor devices in the nuclear energy industry.

Advantage:

Nuclear Corrosion Resistance: One of the advantages of Inconel 625 tape in the nuclear energy industry is its excellent corrosion resistance against the corrosive media found in nuclear reactors, such as high-temperature steam and radioactive media.

High temperature stability: Inconel 625 tape can maintain high strength and stability under high temperature conditions and can withstand the high temperature and high pressure requirements in nuclear reactors.

Radiation resistance: The tape has certain radiation resistance and can reduce material damage and deformation caused by radiation.

Application:

Nuclear reactor components: Inconel 625 tape can be used in nuclear reactor components in the nuclear energy industry, such as reactor casings, fuel element support structures and control rods. Its corrosion resistance and high temperature stability enable it to withstand the operating environment and radiation conditions of nuclear reactors.

Radiation protection devices: Inconel 625 tape can be used in radiation protection devices in the nuclear energy industry, such as radiation shielding walls and radiation protection doors. Its radiation resistance can reduce the impact of radiation on personnel and equipment.

Nuclear fuel processing equipment: Inconel 625 tape can be used in the nuclear energy industry for nuclear fuel processing equipment, such as the manufacture of fuel rods and fuel elements. Its corrosion resistance and high temperature stability enable it to withstand corrosive media and high temperature conditions during the nuclear fuel cycle.

Other relevant knowledge points:

The nuclear energy industry refers to the industrial field that uses nuclear reactions to generate energy or conduct application and research of nuclear materials, including nuclear power plants, nuclear fuel cycles, and nuclear medicine.

In the nuclear energy industry, material selection requires considerations such as corrosion resistance, high temperature performance, radiation resistance and compatibility with nuclear fuel.

The design, manufacturing and operation of the nuclear energy industry need to follow strict nuclear safety standards and specifications to ensure the safety, reliability and compliance of nuclear facilities with nuclear energy 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 5581 Tubing	Inconel 625	Nickel	N06625	-	Tubing

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

AMS Number	Alloy	Type	UNS	Cross Ref. Spec	Misc./Shape
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



Q & A:

Q: What are the typical applications of Inconel 625 strips?

A: Inconel 625 strips find widespread applications in industries such as aerospace, chemical processing, marine, and oil and gas.

Q: Can Inconel 625 strips withstand harsh corrosive environments?

A: Yes, Inconel 625 strips exhibit exceptional resistance to corrosion, making them well-suited for use in harsh corrosive environments. They offer excellent resistance to various corrosive media, including acids, alkalis, and chloride-containing solutions.



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