



Energy Industry Nickel Alloy Inconel 718 Strip With High Temperature Durability

Our Product Introduction

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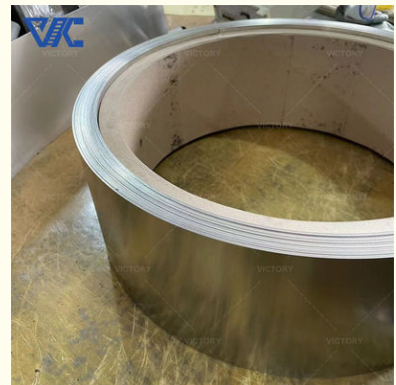
Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE, ROHS, ISO 9001
- Model Number: Inconel 718
- 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 718 Strip
- Material: Ni Cr Fe
- Ni (Min): 50%
- Application: Industrial, Construction, Building
- Density (g/cm³): 8.2
- Melting Point: 1,330°C
- Tensile Strength: 965 MPa
- Yield Strength: 550 MPa
- Thermal Conductivity: 6.4 W/m-K
- Highlight: **Nickel Alloy Inconel 718 Strip, Energy Industry Inconel 718 Strip**



More Images



Product Description

Introduction:

Inconel 718 tape is a high-performance alloy material widely used in the energy industry. It is composed of elements such as nickel and chromium and has excellent high temperature resistance, corrosion resistance and mechanical properties. This strip material is suitable for use in various areas of the energy industry, including oil and gas extraction, chemical processes, and nuclear energy. Inconel 718 tape is commonly used in the manufacture of key components for high temperature and high pressure equipment, such as oil wellheads, chemical reactors and nuclear fuel cladding for nuclear power plants.

Inconel 718 tape has excellent material parameters, with a density of 8.2 g/cm³ and a melting point of approximately 1,330°C. It has excellent tensile strength and can withstand high-intensity work requirements in high-temperature environments. The tensile strength can reach 965 MPa and the yield strength is about 550 MPa, showing excellent mechanical properties. In addition, Inconel 718 belts also have good corrosion resistance and can resist the erosion of corrosive media such as acids and alkalis, ensuring the reliability and durability of equipment in harsh working environments.

Product Features:

High temperature resistance: Inconel 718 tape can maintain high strength and corrosion resistance in high temperature environments and is suitable for high temperature applications in the energy industry.

Excellent mechanical properties: It has high strength, high toughness and good fatigue life, allowing it to withstand high loads and vibrations in the energy industry.

Good corrosion resistance: Inconel 718 belt has good corrosion resistance to acidic, alkaline and oxidizing media, and can maintain stable performance in harsh working environments.

Advantage:

High Temperature Durability: Inconel 718 tape is capable of working in high temperature environments for long periods of time, has excellent high temperature durability, and is suitable for high temperature equipment and components in the energy industry.

Anti-oxidation performance: It has good anti-oxidation performance, can effectively resist corrosion and oxidation in high-temperature atmosphere, and prolong the service life of the material.

Corrosion resistance: It has good corrosion resistance against corrosive media in the energy industry, such as acidic and alkaline media, and can maintain the overall performance of the material.

Specific applications:

Oil and Gas Extraction: Inconel 718 tape can be used in high-temperature equipment and components in the oil and gas extraction field, such as downhole tools, drilling equipment and oil well liners.

Energy power generation equipment: Suitable for high-temperature components in energy power generation equipment, such as gas turbine blades, combustion chamber components, and gas turbines.

Nuclear energy industry: Inconel 718 belts can also be used in nuclear reactor components, fuel elements and nuclear waste processing equipment in the nuclear energy industry.

Other relevant knowledge:

Composition of Inconel 718 alloy: Inconel 718 alloy is mainly composed of nickel, chromium, iron and other alloying elements, such as molybdenum, aluminum, titanium and niobium. The reasonable ratio of these elements gives the alloy excellent properties.

Heat Treatment and Processing: Inconel 718 tape typically requires heat treatment to improve its mechanical properties and corrosion resistance. In addition, alloys can also be formed and processed through processes such as cold working and welding to meet the needs of different applications.

Corrosion resistance: Inconel 718 belt has good corrosion resistance and can resist the erosion of corrosive media in the energy industry, such as acidic, alkaline and oxidizing media.

Parameter:

Chemical Properties of Inconel 718

Item	C	Mn	Fe	P	S	Si	Cu	Ni	Co	Al	Ti	Cr	Nb+Ta	Mo	B
Inconel 718	≤0.08	≤0.35	rest	--	≤0.01	≤0.35	≤0.3	50-55	≤1	0.2-0.8	--	17-21	4.75-5.5	2.8-3.3	--

Type we could offer

AMS Number	Alloy	Type	UNS	Cross Ref. Spec	Misc./Shape
AMS 5590	Inconel 718	Nickel	N07718	-	Tubing
AMS 5596 Foil	Inconel 718	Nickel	N07718	-	Foil
AMS 5596 Plate	Inconel 718	Nickel	N07718	-	Plate

AMS Number	Alloy	Type	UNS	Cross Ref. Spec	Misc./Shape
AMS 5596 Sheet	Inconel 718	Nickel	N07718	-	Sheet
AMS 5596 Strip	Inconel 718	Nickel	N07718	-	Strip
AMS 5597 Plate	Inconel 718	Nickel	N07718	-	Plate
AMS 5597 Sheet	Inconel 718	Nickel	N07718	-	Sheet
AMS 5597 Strip	Inconel 718	Nickel	N07718	-	Strip
AMS 5662 Bar	Inconel 718	Nickel	N07718	-	Bar
AMS 5662 Custom Tube	Inconel 718	Nickel	N07718	-	Custom Tube
AMS 5662 Ring	Inconel 718	Nickel	N07718	-	Ring
AMS 5663 Bar	Inconel 718	Nickel	N07718	-	Bar
AMS 5663 Custom Tube	Inconel 718	Nickel	N07718	-	Custom Tube
AMS 5663 Ring	Inconel 718	Nickel	N07718	-	Ring
AMS 5664 Bar	Inconel 718	Nickel	N07718	-	Bar

AMS Number	Alloy	Type	UNS	Cross Ref. Spec	Misc./Shape
AMS 5664 Custom Tube	Inconel 718	Nickel	N07718	-	Custom Tube
AMS 5664 Ring	Inconel 718	Nickel	N07718	-	Ring
AMS 5832	Inconel 718	Nickel	N07718	-	Wire
AMS 5962 Bar	Inconel 718	Nickel	N07718	-	Bar
AMS 5962 Wire	Inconel 718	Nickel	N07718	-	Wire



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

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



Q&A:

Q: Does the company offer customization services for Inconel 718 strip?

A: Yes, the company provides customization services for Inconel 718 strip, including dimensions, thickness, and surface finish, to meet specific customer requirements.

Q: Can the company assist with technical support and guidance for applications using Inconel 718 strip?

A: Yes, the company offers technical support and guidance to customers for applications involving Inconel 718 strip, helping them optimize the material's performance and ensure successful implementation in their projects.



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