



Chemical Industry Inconel 625 Seamless Pipe With Antioxidant

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: 500 Ton/Tons per Month

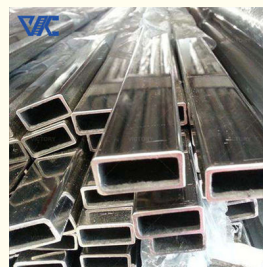


Product Specification

- Product Name: Inconel 625 Tube
- Material: Ni Cr Fe
- Ni (Min): 58%
- Application: Chemical Reactors, Evaporators And Distillers
- 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: 45%
- Melting Point: 1290-1350°C
- Yield Strength: 275 MPa
- Tensile Strength: 620 MPa
- Highlight: corrosion resistant inconel alloy, high temperature resistant inconel alloy



More Images



Product Description

Introduction:

Inconel 625 pipe is a pipe composed of elements such as nickel, chromium and iron and is widely used in the chemical industry. This pipe is suitable for applications such as chemical reactors, evaporators and distillation equipment. It has high density (8.44 g/cm³), thermal expansion coefficient (12.8×10⁻⁶/(°C)) and thermal conductivity (13.3 W/(m·K)), as well as good ductility (45%). Its melting point is between 1290-1350°C, its yield strength is 275 MPa, and its tensile strength is 620 MPa. Inconel 625 pipe withstands corrosive chemicals and high temperature environments in the chemical industry and is used in critical applications such as chemical reactors, evaporators and distillation equipment to ensure equipment reliability and performance. Overall, Inconel 625 pipe is an ideal piping material in the chemical industry, offering excellent corrosion resistance and high temperature strength to meet the requirements of extreme working conditions.

Characteristic:

Corrosion resistance: Inconel 625 pipe has excellent corrosion resistance and can withstand corrosive media such as acidic, alkaline and salt solutions.

Oxidation resistance: The pipe has excellent antioxidant properties in high temperature environments and can resist oxidation and thermal corrosion.

High strength: Inconel 625 pipe has high strength and hardness and can withstand the high pressure and high temperature requirements in the chemical industry.

Advantage:

Corrosion resistance: One of the advantages of Inconel 625 pipe in the chemical industry is its excellent corrosion resistance, which can reduce corrosion losses in pipelines and equipment and increase equipment life.

High temperature stability: Inconel 625 pipe can maintain high strength and stability in high temperature environments and is suitable for high temperature components and devices in chemical processes.

Oxidation resistance: The anti-oxidation performance of this pipe can protect the inside of the pipeline from oxidation and thermal corrosion, ensuring the reliability and safety of the pipeline.

Application:

Chemical reactors: Inconel 625 tubes can be used in high-temperature reactors in the chemical industry, such as high-temperature oxidation reactors, cracking reactors, etc. It is able to withstand the corrosive nature of chemicals and high temperature conditions and is used in chemical synthesis and reaction processes.

Evaporators and Stills: Inconel 625 tubing can be used in equipment such as evaporators and stills in the chemical industry. It can withstand high temperatures and corrosive media and is used in the evaporation and separation process of liquids.

High temperature heater: Inconel 625 tube can be used for high temperature heaters in the chemical industry, such as high temperature air heaters, high temperature oil heaters, etc. It can provide stable heating medium under high temperature conditions for process heating and heat exchange.

Other relevant knowledge points:

Material selection in the chemical industry requires considerations such as corrosion resistance, high temperature performance, oxidation resistance, high strength and compatibility with the process media. Inconel 625 pipe is one of the commonly used high-temperature alloy pipe materials, but in specific cases, other material options may also need to be considered.

The design and manufacture of chemical industry equipment needs to follow relevant safety standards and specifications to ensure the safety, reliability and compliance of the equipment with industry requirements.

The diversity and complexity of chemicals and process conditions in the chemical industry require comprehensive process assessment and safety analysis when selecting materials and designing equipment.

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 | U N S | Cross Ref. Spec | Misc./Shape |
|----------------------------|----------------|--------|----------------------------|--------------------|-------------|
| AMS 5599 | Inconel 625 | Nickel | N 0 6 6 2 5 | | |
| AMS 5599 Plate | Inconel 625 | Nickel | N 0 6 6 2 5 | - | Plate |
| AMS 5599 Sheet | Inconel 625 | Nickel | N 0 6 6 2 5 | - | Sheet |
| AMS 5599 Strip | Inconel 625 | Nickel | N 0 6 6 2 5 | - | Strip |
| AMS 5666 | Inconel 625 | Nickel | N 0 6 6 2 5 | | |
| AMS 5666 Bar | Inconel 625 | Nickel | N 0 6 6 2 5 | - | Bar |
| AMS 5666 Custom Tube | Inconel 625 | Nickel | N 0 6 6 2 5 | - | Custom Tube |
| AMS 5666 Forging | Inconel 625 | Nickel | N 0 6 6 2 5 | - | Forging |
| AMS 5666 Ring | Inconel 625 | Nickel | N 0 6 6 2 5 | - | Ring |
| AMS 5869 | Inconel 625 | Nickel | N 0 6 6 2 5 | | |
| AMS 5869 Plate | Inconel 625 | Nickel | N 0 6 6 2 5 | - | Plate |
| AMS 5869 Sheet | Inconel 625 | Nickel | N 0 6 6 2 5 | - | 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



Q & A:

Q: How are the quality and integrity of your Inconel 625 tube ensured?

A: Our Inconel 625 tube undergo rigorous testing and inspection processes to ensure their quality and integrity. We conduct various tests, including dimensional checks, chemical analysis, mechanical property testing, and non-destructive testing, to verify the quality and performance of the tubes.

Q: What testing certifications are provided with your Inconel 625 tube?

A: Our Inconel 625 tube come with comprehensive testing certifications. We provide certificates of compliance and test reports, including chemical composition analysis, mechanical properties, and non-destructive testing results. These certifications validate the quality and conformity of our Inconel 625 tube to industry standards and customer requirements.



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