

Nickel Alloy UNS N10276, Hastelloy C276 Pipe

Our Product Introduction

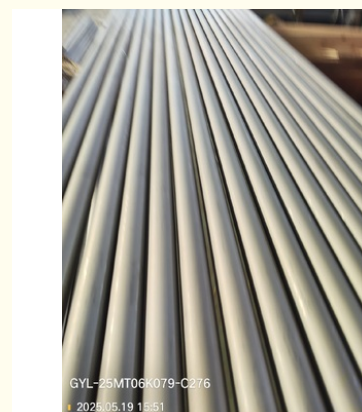
Basic Information

- Place of Origin: China
- Brand Name: Kasugai
- Certification: ASTM B622, UNS N10276
- Model Number: C276
- Minimum Order Quantity: 0.5 ton
- Price: To be negotiated
- Packaging Details: Seaworthy packing
- Delivery Time: 30-50 days
- Payment Terms: T/T, D/A, L/C
- Supply Ability: 500 tons per month

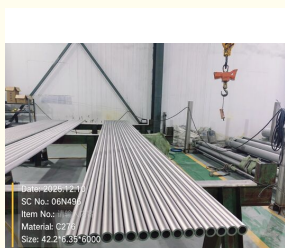


Product Specification

- Size: 15NB TO 150 NB IN
- Type: Seamless / ERW / Welded / LSAW Pipes
- End: Plain End, Bevelled End, Treaded
- Length: Single Random, Double Random & Cut Length



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Product Description

The Nickel Alloy UNS N10276, Hastelloy C276 Pipe is a high-performance nickel-chromium-molybdenum alloy pipe renowned for its outstanding resistance to corrosion in extremely aggressive environments. With exceptional resistance to pitting, crevice corrosion, stress corrosion cracking, and chemical attack, Hastelloy C276 pipes are widely used in chemical processing, oil & gas, pollution control, and pharmaceutical industries.

Designed for severe service conditions, Nickel Alloy UNS N10276, Hastelloy C276 Pipe maintains excellent mechanical strength and stability at both high and low temperatures. Its low carbon and silicon content significantly reduce the risk of carbide precipitation during welding, making it highly suitable for fabricated and welded piping systems.

Key Features & Benefits

- Exceptional Corrosion Resistance**
Resistant to strong oxidizers and reducers, including chlorides, sulfuric acid, hydrochloric acid, wet chlorine gas, and hypochlorites.
- Excellent Weldability**
No post-weld heat treatment required in most applications, minimizing fabrication costs.
- High Temperature Stability**
Maintains strength and corrosion resistance up to approximately 425°C (800°F).
- Superior Mechanical Properties**
High tensile and yield strength combined with excellent ductility.
- Wide Range of Standards Compliance**
Manufactured in accordance with ASTM, ASME, EN, and ISO standards.

Technical Specification

C276 Hastelloy Pipe Chemical Composition:

Ni	C	Mo	Mn	Si	Fe	P	S	Co	Cr
Balance	0.01 max	15 - 17	1.0 max	0.08 max	4 - 7	0.04 max	0.03 max	2.5 max	14.5 - 16.5

Mechanical & Physical Properties:

Density	Melting Range	Yield Stress	Tensile Stress	Elongation
8.89 g/cm3	1370 °C (2500 °F)	Psi - 52,000 , MPa - 355	Psi - 1,15,000 , MPa - 790	40 %

Frequently Asked Questions (FAQ)

1. What is UNS N10276 material?

UNS N10276 is a nickel-chromium-molybdenum alloy known as Hastelloy C276, offering exceptional corrosion resistance in harsh chemical environments.

2. Is Hastelloy C276 pipe suitable for welding?

Yes. It has excellent weldability and does not usually require post-weld heat treatment.

3. What standards are used for Hastelloy C276 pipes?

Common standards include ASTM B622 (seamless), ASTM B619/B626 (welded), and ASME equivalents.

4. Can third-party inspection be provided?

Yes. Third-party inspection by SGS, BV, TUV, or LR can be arranged upon request.

5. Is this pipe suitable for sour service?

Yes. Nickel Alloy UNS N10276, Hastelloy C276 Pipe performs well in sour and chloride-containing environments.

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