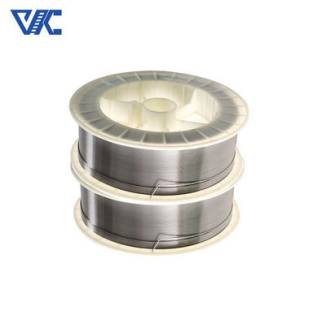
Hastelloy C-276 AWS Welding Wire ERNiCrMo-4 Used In Chemical Industry

Our Product Introduction

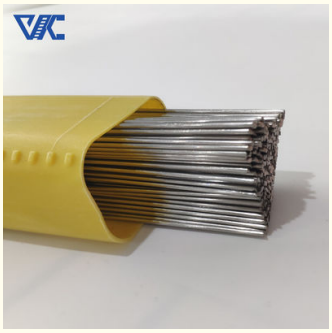
Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: ERNiCrMo-4
- Minimum Order Quantity: 5 Kg
- Price: 15 - 499 kilograms US$30.00
- Packaging Details: Plastic film or waterproof woven bag inside, wire packed in spool put into carton,coil wire or strip wire put into wooden case
- Delivery Time: 7 to 20 Days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



Product Specification

- Material: Nickel Based Welding Wire
- Diameter: 1.0-2.4mm
- Customized Support: OEM, ODM, OBM
- Model Number: Ernicrmo-4
- Application: Electric Power, Pressure Vessel
- Use Type: Mig Torch/tig Torch
- Yield Strength: ≥420Mpa
- Elongation: ≥27%
- Tensile Strength: ≥760Mpa
- Melting Point: 1290-1350°C
- Density: 8.4g/cm3
- Standard: AWS A5.14 ASME DIN
- Highlight: ERNiCrMo-4 AWS Welding Wire



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Our Product I

Product Description

Product Description:

Nickel Welding Wire

ERNiCrMo-4 welding wire is a high-performance welding material widely used in the chemical industry. It is composed of elements such as nickel, chromium, molybdenum and iron. It has excellent corrosion resistance and high temperature properties, and is suitable for welding applications in various corrosive media and high temperature conditions.

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ERNiCrMo-4 welding wire has many applications in the chemical industry. First, it is widely used in the manufacture of welded joints for chemical reactors. Chemical reactors are core equipment in the chemical process and need to withstand high temperatures, high pressures and corrosive media. ERNiCrMo-4 welding wire can provide stable welding joints to ensure the corrosion resistance and structural stability of the reactor under harsh working conditions.
In addition, ERNiCrMo-4 welding wire is also widely used in the welding of pipes and pipe connections. In chemical processes, pipes need to have excellent corrosion resistance and sealing properties. ERNiCrMo-4 welding wire can provide reliable welding joints and ensure the long-term reliability of pipelines in corrosive media such as acids, alkalis and chlorides.
In the manufacturing of heat exchangers in the chemical industry, ERNiCrMo-4 welding wire also plays an important role. Heat exchangers are used for heat transfer and energy recovery and are often exposed to high temperatures, high pressures and corrosive media. ERNiCrMo-4 welding wire can provide corrosion-resistant and high-temperature welding joints to ensure the corrosion resistance and heat conduction performance of the heat exchanger in harsh environments.

Advantage:

Compared with other products, ERNiCrMo-4 welding wire has the following comparative advantages in the chemical industry:
Corrosion resistance: ERNiCrMo-4 welding wire has excellent corrosion resistance and can resist the erosion of corrosive media such as acid, alkaline and chloride. In contrast, some traditional welding materials may not provide the same high level of corrosion resistance, resulting in reduced life and reliability of welded joints.
High temperature stability: ERNiCrMo-4 welding wire can withstand oxidation and sulfide erosion in high temperature environments and has good high temperature stability. This makes it perform well in high-temperature processes and is more suitable for welding applications in high-temperature environments than other welding materials.
Weldability and process adaptability: ERNiCrMo-4 welding wire has good weldability and is suitable for a variety of welding methods and process requirements. It can be welded by different welding methods and adapted to different welding positions and process requirements, making it easy to operate and apply in the chemical industry.
Excellent mechanical properties: ERNiCrMo-4 wire welded joints have good mechanical properties, such as strength and toughness. This is critical to the structural strength and reliability of chemical equipment. Compared with some other welding materials, ERNiCrMo-4 welding wire can provide better mechanical properties to ensure that the welded joint remains stable under complex working conditions.
Reliable suppliers and technical support: ERNiCrMo-4 welding wire suppliers usually have rich experience and reliable supply capabilities. They can provide products with stable quality, technical guidance and after-sales support to meet customers' needs for supplier reliability and technical support in the chemical industry.
To sum up, ERNiCrMo-4 welding wire has obvious advantages over other products in terms of corrosion resistance, high temperature stability, weldability, mechanical properties and supplier support. This makes it one of the preferred materials for manufacturing welded joints in corrosion-resistant and high-temperature environments in the chemical industry.

Technical Parameters:

MIG	(15kg/spool),	Size
		0.8 1.2 2.4 3.2mm
TIG	(5kg/box),Strip	

ERNiCrMo-4

C	Cr	Cu	Fe	Mn	Mo	Ni	P	Si	S	Ti	Nb+ Ta	Co	Al	V	W	Rest
0.02	14.5-16.5	0.5	4-7	1	15-17	Rest	0.04	0.08	0.03	0.4	N/A	2.5	N/A	0.35	3.0-4.5	≤0.50

Influencing factors:

The excellent corrosion resistance and high temperature stability of ERNiCrMo-4 welding wire are mainly due to the optimization of its composition and microstructure design.
Component design: The main components of ERNiCrMo-4 welding wire include nickel (Ni), chromium (Cr), molybdenum (Mo) and other elements. Nickel has good corrosion resistance and can resist erosion by a variety of corrosive media. Chromium can form a dense chromium oxide film to effectively prevent further oxidation reactions and corrosion. Molybdenum increases the wire's resistance to corrosion stripping and high temperature stability.
Microstructure optimization: ERNiCrMo-4 welding wire undergoes a precise smelting and solidification process to form fine grains and uniform chemical composition distribution. This optimized microstructure helps improve the corrosion resistance and high temperature stability of the welding wire. Fine grains can increase the strength and toughness of the material and improve its corrosion resistance. Uniform chemical composition distribution can reduce local element segregation and improve the consistency and stability of welded joints.
Additive selection: Some special alloying elements and rare earth elements may be added to ERNiCrMo-4 welding wire to further improve its corrosion resistance and high temperature stability. The selection of these additives is usually based on the need for specific corrosive media and operating temperatures to enhance the performance of the welding material in a specific environment.
Taking the above factors into account, ERNiCrMo-4 welding wire has excellent corrosion resistance and high temperature stability through optimized composition design and microstructure.

Customization:

Victory Nickel Welding Wire - ERNiCrMo-4

ERNiCrMo-4 welding wire can be customized to meet specific needs. Customized products are usually based on the following aspects:
Composition adjustment: The composition of the welding wire can be adjusted based on specific application needs. By increasing or decreasing the content of specific elements or adding other alloying elements, the properties of the welding wire can be changed to adapt to different corrosive media and working conditions.
Diameter and packaging form: The diameter and packaging form of the welding wire can also be customized. Depending on the specific welding equipment and process requirements, welding wires of different diameters can be provided and suitable packaging forms can be selected, such as spools, spools or custom-length wires.
Technical support and solutions: For specific application scenarios and welding needs, suppliers can provide customized technical support and solutions. This includes welding parameters and process recommendations, providing professional technical guidance based on actual needs to ensure welding quality and performance meet customer requirements.

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Oem service:
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We are experience factory for OEM&ODM service

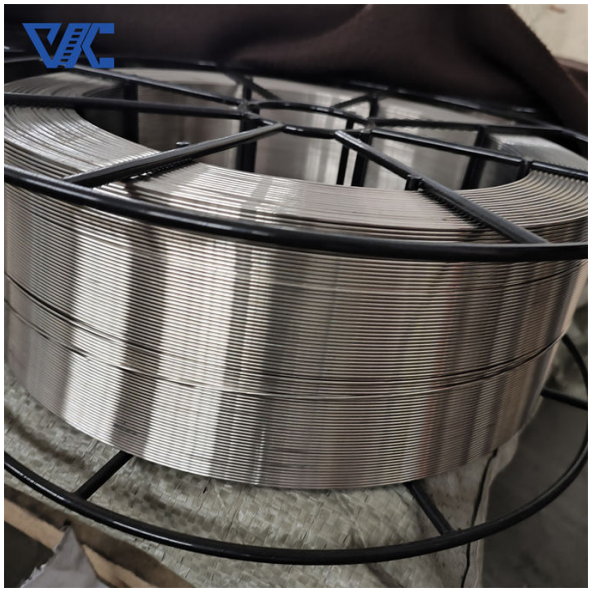
FAQ:

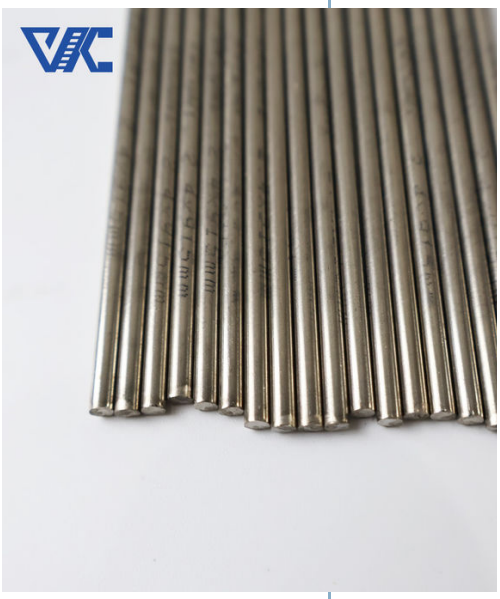
Q: What kind of gas protection measures need to be taken during the welding process of ERNiCrMo-4 welding wire?
Answer: ERNiCrMo-4 welding wire usually requires the use of inert gas (such as argon) for gas protection during the welding process.

Q: What materials are ERNiCrMo-4 welding wire commonly used for welding?
Answer: ERNiCrMo-4 welding wire is commonly used to weld nickel-based alloys, stainless steel, high-temperature alloys and other corrosion-resistant materials.

Q: What should I pay attention to when storing and using ERNiCrMo-4 welding wire?
Answer: The storage and use of ERNiCrMo-4 welding wire should follow relevant safety operating procedures to ensure the quality and safety of the welding wire.

Q: What quality standards and certification requirements do suppliers of ERNiCrMo-4 welding wire need to meet?
Answer: Suppliers and manufacturers of ERNiCrMo-4 welding wire usually need to comply with relevant quality standards and certification requirements such as ISO 9001.





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