

Ernicrmo-4 Nickel Based Welding Wire Alloy ERNiCrMo-4 Weld Wire

Our Product Introduction

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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

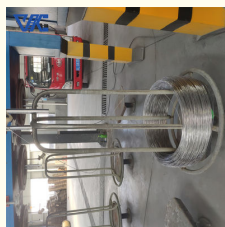


Product Specification

- 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: ≥ 420 Mpa
- Elongation: $\geq 27\%$
- Tensile Strength: ≥ 760 Mpa
- Melting Point: 1290-1350°C
- Density: 8.4g/cm³
- Standard: AWS A5.14 ASME DIN
- Highlight: **Ernicrmo-4 Nickel Welding Wire**



More Images



Product Description

Product Description:

Our Product I

Nickel Welding Wire

ERNiCrMo-4 is a nickel-based welding wire that is widely used in welding applications in high temperature and corrosive environments. It is a welding consumable in the AWS A5.14/ASME SFA-5.14 specification. The following are some introductions to ERNiCrMo-4 welding wire:

Chemical composition: The main components of ERNiCrMo-4 welding wire are nickel (Ni), chromium (Cr), molybdenum (Mo) and other alloying elements. The addition of these elements gives the welding wire excellent corrosion resistance and high temperature strength.

Application fields: ERNiCrMo-4 welding wire is commonly used to weld materials such as high-temperature alloys, nickel-based alloys, and stainless steel. It is widely used in aerospace, petrochemical, nuclear industry and other industries.

Corrosion resistance: ERNiCrMo-4 welding wire has excellent corrosion resistance, especially at high temperatures and corrosive media. It can resist acidic, alkaline and salt corrosion, including sulfuric acid, nitric acid, chloride, etc.

High Temperature Strength: This welding wire has excellent high temperature strength and heat resistance.

It can withstand thermal stress and thermal cycles in high-temperature environments and maintain the stability and reliability of welded joints.

Welding characteristics: ERNiCrMo-4 welding wire has good weldability and stable arc characteristics. It can be used for various welding methods such as manual arc welding, argon arc welding, and plasma arc welding.

Comply with standards: ERNiCrMo-4 welding wire complies with the requirements of AWS A5.14/ASME SFA-5.14 specifications, ensuring its quality and welding performance.

**Corrosion resistance:**

ERNiCrMo-4 welding wire has excellent corrosion resistance, allowing it to perform well in a variety of corrosive environments. The following are some characteristics of the corrosion resistance of ERNiCrMo-4 welding wire:

Acid corrosion resistance: ERNiCrMo-4 welding wire has good corrosion resistance against a variety of acidic media, including sulfuric acid, nitric acid, hydrochloric acid, etc. It resists corrosion and corrosion cracking in acidic environments.

Resistance to alkaline corrosion: Welding wire also has high corrosion resistance to alkaline media such as sodium hydroxide, potassium hydroxide, etc. It can withstand corrosion and corrosion cracking in alkaline environments.

Resistant to chloride corrosion: ERNiCrMo-4 welding wire also performs well against chloride corrosion. It can resist the corrosion of welded joints by chlorides such as sodium chloride, ammonium chloride, etc., and is suitable for welding applications in marine environments and chlorine-containing media.

High temperature corrosion resistance: Welding wire has excellent high temperature corrosion resistance. It can withstand the erosion of oxidation, sulfurization and other high-temperature corrosive media in high-temperature environments, maintaining the stability and durability of welded joints.

Resistance to stress corrosion cracking: ERNiCrMo-4 welding wire has certain resistance to stress corrosion cracking. Under stress conditions, welded joints can maintain good corrosion resistance and reduce the risk of stress corrosion cracking.

Technical Parameters:

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

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	≤0.5 0

Characteristic:

ERNiCrMo-4 welding wire has some special welding characteristics, allowing it to exhibit good weldability and stable arc characteristics during the welding process. The following are some welding characteristics of ERNiCrMo-4 wire:

Weldability: ERNiCrMo-4 welding wire has good weldability and is suitable for a variety of welding methods, including manual arc welding, argon arc welding, plasma arc welding, etc. It can weld well with a variety of base materials, including nickel-based alloys, high-temperature alloys, and stainless steel.

Stable arc characteristics: This welding wire has stable arc characteristics and can produce a uniform and stable arc. This facilitates the control and operation of the welding process, making weld quality more stable and consistent.

Low spatter: ERNiCrMo-4 welding wire produces less spatter during the welding process, reducing the workload of subsequent cleaning. This helps improve welding efficiency and reduce the occurrence of welding defects.

Good penetration and weld morphology: This welding wire has good penetration performance and can form a substantial weld during the welding process. The shape of the weld is uniform and smooth, which is beneficial to the mechanical properties and corrosion resistance of the welded joint.

Wide adaptability: ERNiCrMo-4 welding wire is suitable for a variety of welding positions, including flat welding, vertical welding, horizontal welding, etc. It can cope with different welding needs and process requirements.

It should be noted that the specific welding characteristics are also affected by factors such as welding equipment, welding parameters and operating techniques. When using ERNiCrMo-4 welding wire for welding, it is recommended to select appropriate welding process parameters according to the specific situation and follow relevant welding specifications and operating instructions to ensure welding quality and safety.

Customization:**Victory Nickel Welding Wire - ERNiCrMo-4**

Looking for high quality and reliable nickel weld wire? Look no further than Victory's ERNiCrMo-4 welding wire. Made with high quality nickel material, this wire is perfect for all your welding needs.

Customization Service

At Victory, we understand that each project is unique and requires specific welding solutions. That's why we offer customization services for our nickel welding wire. We can tailor the wire according to your specific needs and requirements, ensuring the best possible results for your project.

contact us
email:victory@dlx-alloy.com

Oem service:
Welcome customized size
We are experience factory for OEM&ODM service

Shipping:

ERNiCrMo-4 welding wire requires appropriate measures in terms of transportation and packaging to ensure that it reaches its destination safely and maintains its quality. The following are generally applicable shipping and packaging recommendations:

Shipping: During shipping, make sure the welding wire is properly protected to prevent damage or contamination. Welding wire should be properly packaged and placed in a suitable shipping container to prevent friction, crushing, or other physical damage.

Packaging: Welding wire is usually packaged in coils or wire reels. Packaging materials should be resistant to corrosion and abrasion and prevent moisture and other contaminants from entering the interior of the package. Packaging materials such as plastic film, cartons or wooden boxes are usually used.

Labeling: Important information such as specifications, batch number, quantity and production date of the welding wire should be clearly marked on the packaging. This helps identify and track the wire and ensures the correct wire is used.

Storage conditions: During storage, the welding wire should be stored in a dry, ventilated and non-corrosive gas environment to prevent the influence of moisture and corrosive media on the welding wire. Avoid direct sunlight and high temperature environment.

Note: When handling and operating welding wire, care should be taken to avoid severe vibration, impact or excessive force to avoid damage or deformation.

FAQ:

Q: What is the chemical composition of ERNiCrMo-4 welding wire?

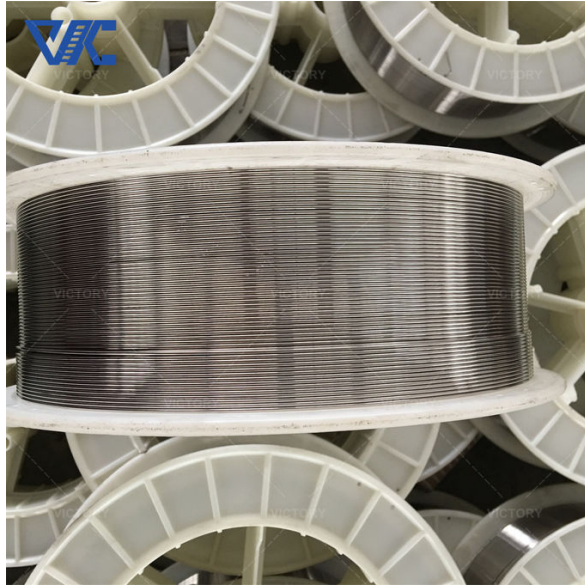
Answer: The chemical composition of ERNiCrMo-4 welding wire mainly includes nickel (Ni), chromium (Cr), molybdenum (Mo), iron (Fe) and other elements.

Q: What diameter specifications are suitable for ERNiCrMo-4 welding wire?

Answer: Common diameter specifications of ERNiCrMo-4 welding wire are 0.8mm, 1.0mm, 1.2mm, etc.

Q: What are the characteristics of ERNiCrMo-4 welding wire?

Answer: ERNiCrMo-4 welding wire has good corrosion resistance, excellent high temperature strength and oxidation resistance, is easy to weld, and is suitable for high temperature environments and corrosive media.



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