Nickel Alloy Welding Wire Inconel 625 AWS ENiCrMo-3 Ernicrmo-13 Welding Wire

Our Product Introduction

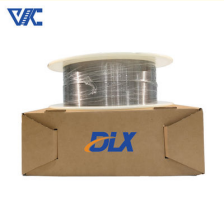
Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: ERNiCrMo-3,ERNiCrMo-4,ERNiCrMo-13,ERNiCrFe-7,ERNiCr-3
- Minimum Order Quantity: 15
- Packaging Details: Spool package with Carton box, Coil package with polybag
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month

Product Specification

- Material: Ni, Mo, Cr
- Elongation: ≥22 %
- Density: 8.60 G/cm3
- Tensile Strength Rm N/mm²: ≥600
- Yieldstrength R P0. 2 N/mm²: ≥360
- Melting Point: 1310-1360°C
- Certificates: AWS A5.14 / ASME SFA A5.14
- Highlight: **AWS Nickel Alloy Welding Wire**, **ENiCrMo-3 Welding Wire**, **Ernicrmo-13 Welding Wire**

More Images



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Our Product Introduction

Product Description

Manufacture Nickel Alloy Wels Wire Inconel 625 AWS ENiCrMo-3 Ernicrmo-13 Welding Wire Price Per Kg

Nickel welding wire is a commonly used metal welding material, including multiple brands, such as ERNiCrMo-3, ERNiCrMo-4, ERNiCrMo-13, ERNiCrFe-7 and ERNiCr-3. These wires are available in different alloy compositions and welding properties for a variety of specific welding applications. They are widely used in chemical, petrochemical, aerospace and other industries to provide excellent corrosion resistance, high temperature stability and welding performance when welding metal workpieces such as high alloy steel, nickel alloy and stainless steel.

Selecting the appropriate grade depends on specific welding requirements, metal materials and process conditions. When using nickel welding wire, it is recommended to refer to the manufacturer's specification sheet and technical data to ensure correct welding parameters and operating procedures to obtain a high-quality weld joint and meet the needs of the specific application.

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Chemical Properties

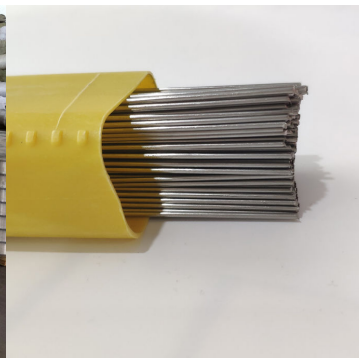
C	Si	Mn	Cr	P	Ni
≤0.01	≤0.2	≤0.5	22.0-24.0	≤0.015	Rem
Al	Mo	Fe	Cu	S	Co
0.10-0.40	15.0-16.50	≤0.5	≤0.1	<0.01	<0.20

Typical Welding Parameters

Diameter		Process	Volt	Amps (flat)	Amps (V/OH)
inch	(mm)				
0.035	0.9	GMAW	26-29	150-190	Spray Transfer 100% Argo
0.045	1.2	GMAW	28-32	180-220	Spray Transfer 100% Argo
1/16	1.6	GMAW	29-33	200-250	Spray Transfer 100% Argo
1/16	1.6	GTAW	14-18	90-130	100% Argon
3/32	2.4	GTAW	15-20	120-175	100% Argon
1/8	3.17	GTAW	15-20	150-220	100% Argon

Tensile Strength	109 Ksi	790 MPA
Yield Strength	68 Ksi	470 MPA
Elongation	40-45%	
Density g/cm3	8.60 g/cm3	
Melting Point ℃	1300-1360℃	
Coefficient of Expansion. 21-93 Co, μm/m * Co	11.90	

Item	ERNiCrMo-3	ERNiCrMo-4	ERNiCrMo-13	ERNiCrFe-7	ERNiCr-3	ERNiCu-7	ERCuNi
C	0.1	0.02	0.01	0.04	0.1	0.15	0.03
Mn	0.05	1	0.5	1	2.5-3.5	4	0.5-1.0
Fe	5	4-7	1.5	7-11	3	2.5	0.65
P	0.02	0.04	0.015	0.02	0.03	0.02	0.01
S	0.015	0.03	0.005	0.015	0.015	0.015	0.01
Si	0.05	0.08	0.1	0.5	0.5	1.25	0.15
Cu	0.5	0.5	N/A	0.3	0.5	rest	rest
Ni	≥58	rest	rest	rest	≥67	62-69	30-32
Co	N/A	2.5	0.3	N/A	N/A	N/A	N/A
Al	0.4	N/A	0.1-0.4	1.1	N/A	1.25	0.15
Ti	0.4	N/A	N/A	1	0.75	1.5-3	0.5
Cr	20-23	14.5-16.5	22-24	28.5-31	18.0-22.0	N/A	N/A
Nb+Ta	3.5-4.15	N/A	1.8-2.5	0.01	2.0-3.0	N/A	N/A
Mo	8.0-10	15-17	15-16	0.5	N/A	N/A	N/A
V	N/A	0.35	N/A	N/A	N/A	N/A	N/A
W	N/A	3.-4.5	N/A	N/A	N/A	N/A	N/A
Rest	≤0.50	≤0.50	≤0.50	≤0.50	≤0.50	≤0.50	≤0.50



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