



Monel 400 Welding Wire Nickel Copper Alloy Monel 400 Mig Welding Wire ERNiCu-7

Our Product Introduction

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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: $\geq 22\%$
- Density: 8.60 G/cm³
- Tensile Strength Rm N/mm²: ≥ 600
- Yield strength R P0.2 N/mm²: ≥ 360
- Melting Point: 1310-1360
- Certificates: AWS A5.14 / ASME SFA A5.14
- Highlight: Monel 400 Welding Wire, 400 Mig Welding Wire, ERNiCu-7



More Images



Product Description

Welding wire is a metal material used in the welding process to fill the weld and achieve a welded connection. There are many types of welding wires to choose from, such as ERNiCrMo-3, ERNiCrFe-7, ERNiCu-7, etc. Each welding wire has a unique chemical composition and welding characteristics. These welding wires are widely used in different welding applications. They have excellent properties such as corrosion resistance, high temperature strength and oxidation resistance to meet various industrial needs. By selecting the appropriate welding wire, the quality, strength and reliability of the welded joint can be ensured.

Choosing the correct welding wire is very important to achieve high quality welding. Depending on the type of welding material, welding conditions and specific requirements required, choosing the right welding wire can improve the efficiency and success rate of the welding process and ensure that the quality of the final welded connection is as expected.

Chemical Properties

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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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