Ernicu-7 ERNiCu-1 Monel 400 Ni200 MIG / TIG Alloy 400 UNS N04400 Welding Wire

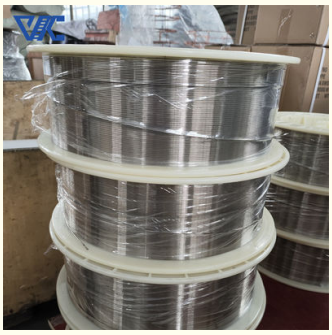
Our Product Introduction

Basic Information

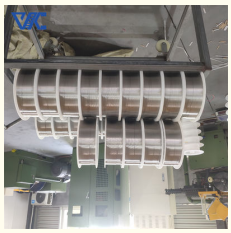
- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: ERNiCu-7 ERNiCu-1 ERNiCrMo-3,ERNiCrMo-4,ERNiCrMo-13,ERNiCrFe-7,ERNiCr-3
- Minimum Order Quantity: 15
- Packaging Details: Spool package with Carton box, Coil package with polybag
- Delivery Time: 5-21 days
- 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℃
- Certificates: AWS A5.14 / ASME SFA A5.14
- Highlight: **UNS N04400 Welding Wire**, **ERNiCu-1 Monel 400**, **Ni200 MIG Welding Wire**



More Images



Our Product Introduc

Product Description

Ernicu-7 ERNiCu-1 Monel 400 Ni200 MIG/TIG Alloy 400 UNS N04400 Welding Wire

ERNi-1 Pure Nickel Nickel-based Welding Wire Standard: SG-NiTi4
Applications: - Welding of nickel alloys 200 and 201, as well as nickel-plated steel sheets; - Welding of steel with dissimilar nickel materials; - Surface cladding of steel.
ERNiCu-7 Nickel-Copper Nickel-based Welding Wire Standard: SG-NiCu30MnTi
Applications: - Welding of Monel 400 alloy itself; as well as welding of Monel 400 alloy with steel; - Used for surface cladding of steel.
ERCuNi Copper-Nickel Nickel-based Welding Wire Standard: SG-CuNi30Fe
Applications: - Used for welding of copper-nickel alloys and specific bronze materials themselves, as well as for welding these materials with Monel 400 alloy or Nickel 200.
ERNiCrFe-3 Nickel-Chromium-Iron Nickel-based Welding Wire Standard: SG-NiCr20Nb
Applications: - Welding of anti-creep joints, dissimilar materials; - Welding of austenitic, ferritic steels and high-nickel alloys, welding of 9% nickel alloy steel.
ERNiCrFe-7 Nickel-Chromium-Iron Nickel-based Welding Wire Standard: SG-NiCr20Nb
Applications: - Welding of INCONEL 690 alloy and cladding of steel, especially suitable for the construction of nuclear

reactors.
ERNiCrMo-3 Nickel-Chromium-Molybdenum Nickel-based Welding Wire Standard: SG-NiCr21Mo9Nb
Applications: - Welding of INCONEL 625, INCONEL 825, INCONEL 25-6Mo, and MONEL 400 alloys; - Welding between ultra-high-strength austenitic steel and INCOLOY 020 alloy; - Welding between nickel-based alloys and stainless steel dissimilar materials; - Surface cladding of steel.
ERNiCrMo-4 Nickel-Chromium-Molybdenum Nickel-based Welding Wire Standard: SG-NiMo16Cr16W
Applications: - Welding of INCO-WELD C276 and other Ni-Cr-Mo corrosion-resistant alloys; - Welding of surface cladding alloys on steel, surface cladding of steel.
ERNiCrMo-10 Nickel-Chromium-Molybdenum Nickel-based Welding Wire
Applications: - Welding of INCONEL 622 and other Ni-Cr-Mo corrosion-resistant alloys; - Surface cladding of alloy steel, dual-phase steel, ultra-high-strength dual-phase steel, ultra-high-strength austenitic stainless steel; - Surface cladding of steel.
ERNiCrMo-14 Nickel-Chromium-Molybdenum Nickel-based Welding Wire Standard: SG-NiCr21Mo16W
Applications: - Welding of INCONEL 686 and other Ni-Cr-Mo alloys; - Surface cladding of alloy steel, dual-phase steel, ultra-high-strength dual-phase steel, ultra-high-strength austenitic stainless steel; - Surface cladding of steel.

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

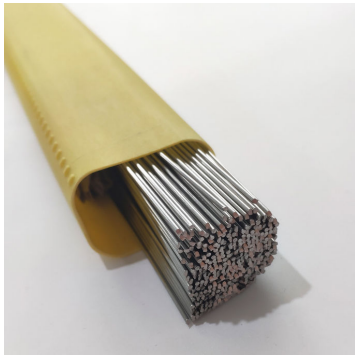
Diameter		Process	Volt	Amps (flat)	Amps (V/OH)
inch	(mm)				
0.035	0.9	GMAW	26-29	150-190	Spray Transfer 100% Argo
0.045	1.2	GMAW	28-32	180-220	Spray Transfer 100% Argo
1/16	1.6	GMAW	29-33	200-250	Spray Transfer 100% Argo
1/16	1.6	GTAW	14-18	90-130	100% Argon
3/32	2.4	GTAW	15-20	120-175	100% Argon
1/8	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 °C	1300-1360°C	
Coefficient of Expansion. 21-93 Co, μm/m * Co	11.90	

This is a series of welding wire products including ERNiCrMo-3, ERNiCrMo-4, ERNiCrMo-13, ERNiCrFe-3, ERNiCrFe-7, ERNiCr-3, ERNiCr-7, **ERNiCu-7 and ERNi-1.**
Nickel welding wire is available in different grades and specifications depending on specific application requirements. Various nickel alloy welding wires (such as ERNiCr-3, ERNiCrMo-3, etc.) and pure nickel welding wires (such as ERNi-1, ERNi-2, etc.) can be selected according to specific alloy composition and performance requirements.
In short, nickel welding wire is an important welding material with excellent welding performance and adaptability. It plays an important role in various industrial fields, providing reliable welding solutions for manufacturing and maintaining high-quality metal structures.

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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