



ASTM B160 Nickel Welding Wire 0.025 Mm With Bright Surface

Our Product Introduction

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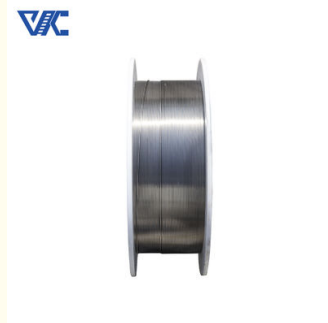
Basic Information

- 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 R_m N/mm²: ≥ 600
- Yield strength R_{P0.2} N/mm²: ≥ 360
- Melting Point: 1310-1360°C
- Certificates: AWS A5.14 / ASME SFA A5.14
- Highlight: **ASTM B160 Nickel Welding Wire, 0.025Mm Nickel Welding Wire**



More Images



Product Description

Welding wire is a metallic material used to add to the weld during the welding process. They come in various types and compositions, such as ERNiCrMo-3, ERNiCrFe-7, ERNiCu-7, etc. These welding wires are widely used in welding processes in different fields, including aerospace, automobile manufacturing, chemical industry, etc.

Each welding wire offers unique properties and benefits, such as corrosion resistance, high temperature strength and oxidation resistance. Choosing the right welding wire is crucial to achieving a high-quality welding connection. They ensure the reliability, strength and durability of welded joints and maintain stability under various environmental conditions.

By correctly selecting the right welding wire, welding operators can meet specific welding needs and increase productivity. Whether you are welding high-alloy steels, stainless steels, nickel alloys, or other materials, selecting the appropriate welding wire ensures weld quality, process controllability, and end product performance.

Our Product Introduction

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	

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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