

ERNiCrMo-10

Metals And Welding Specialities Supplying to over 40+ countries including USA, Europe, Middle East, Asia.



Product Overview

Metals And Welding Specialities is a trusted supplier of premium welding consumables, offering **ERNiCrMo-10 MIG Welding Wire** for industries that demand high corrosion resistance, superior weld strength, and reliable performance in harsh operating environments. **ERNiCrMo-10** is a nickel-chromium-molybdenum alloy welding wire specially designed for welding nickel-based alloys and dissimilar metals exposed to high temperatures and corrosive conditions. It provides **excellent resistance to pitting, crevice corrosion, oxidation, and stress corrosion cracking**, making it an ideal choice for chemical processing, offshore, marine, power generation, and oil & gas industries. Its smooth welding characteristics and excellent mechanical properties ensure consistent performance in both fabrication and repair work.

Global Import Market

The global demand for **ERNiCrMo-10 TIG Welding Wire** continues to grow as industries increasingly require high-performance welding consumables for critical applications. Major importing countries include the United States, Germany, China, Italy, Switzerland, France, South Korea, Saudi Arabia, and the United Arab Emirates. These countries use premium nickel alloy welding wire in refineries, pressure vessels, heat exchangers, power plants, marine structures, and chemical processing facilities, where **long-term durability and corrosion resistance** are essential.

Countries with High Demand

The demand for **ERNiCrMo-10 Welding Wire** remains strong in countries with expanding energy, petrochemical, aerospace, and heavy engineering industries. The United States is one of the largest consumers because of its extensive oil & gas and power generation sectors, while Germany and other European countries rely on advanced welding materials for precision engineering and industrial processing equipment. Rapid industrial growth across Asia is also increasing the adoption of high-quality nickel alloy welding consumables.

Expanding International Markets

The international market for **ERNiCrMo-10 MIG Welding Wire Manufacturers** continues to expand across Asia, Europe, North America, and the Middle East. Countries such as China, Japan, South Korea, Saudi Arabia, and the UAE are investing heavily in refineries, offshore platforms, shipbuilding, chemical plants, and energy infrastructure. These industries require welding materials that provide **high-temperature performance and long service life** in demanding operating conditions.

Industry Applications

Oil & Gas Industry

The oil & gas industry operates in highly demanding environments where equipment is exposed to corrosive chemicals, seawater, and extreme temperatures. **ERNiCrMo-10 TIG Welding Wire Suppliers** is widely used for welding pipelines, pressure vessels, storage tanks, offshore platforms, and heat exchangers because it delivers **reliable welding performance** and excellent corrosion resistance.

Chemical Processing Industry

The chemical processing industry requires welding consumables capable of handling aggressive chemicals and corrosive media. **ERNiCrMo-10 MIG Welding Wire Exporters** is commonly used in reactors, pumps, piping systems, and processing vessels, helping improve equipment life while minimizing maintenance and downtime.

Worldwide Distribution

A strong global distribution network ensures the availability of **ERNiCrMo-10 MIG Welding Wire Stockists** for manufacturers, fabricators, and maintenance contractors worldwide. Reliable stock availability and compliance with international quality standards help industries complete projects efficiently while maintaining consistent weld quality.

Export Opportunities

Growing industrial development has created significant opportunities for **ERNiCrMo-10 Welding Wire Exporters** in international markets. Increasing investments in oil & gas, petrochemicals, power generation, desalination, and marine engineering continue to drive global demand. As industries prioritize **high-performance welding solutions**, the market for ERNiCrMo-10 is expected to grow steadily in the coming years.

Equivalent Grade of ERNiCrMo-10 Welding Wire

Class	UNS	Oxford Alloys	Special Metals	SANDVIK	BOHLER	UTP	SANDVIK
ERNiCrMo-10	N06022	Alloy 622	INCONEL FILLER METAL 622	EXATON NI 54	BOHLER THERMANIT 22	UTP A 722	EXATON NI 54

ERNiCrMo-10 Welding Wire Parameters

Diameter		Process	Volt	Amps (flat)	Amps (V/OH)
in	(mm)				
.035	(0.9)	GMAW	26-29	150-190	Spray Transfer 100% Argon
.045	(1.2)	GMAW	28-32	180-220	Spray Transfer 100% Argon
1/16	(1.6)	GMAW	29-33	200-250	Spray Transfer 100% Argon
1/16	(1.6)	GTAW	14-18	90-130	100% Argon
3/32	(2.4)	GTAW	15-20	120-175	100% Argon
1/8	(3.2)	GTAW	15-20	150-220	100% Argon

Specification ERNiCrMo-10 MIG & TIG Welding Wire

Classification	AWS A5.14, ERNiCrMo-10
Form	MIG spools, TIG cut lengths, Reels and Coils
Type of Welding	Inert Gas Welding
Standard TIG straight lengths are available	36" (914 mm) or 39" (1000 mm) lengths. Other lengths available upon request.
AWS ERNiCrCoMo-10 MIG & TIG Filler Metal Application & uses	Hardware tools Metallurgy Machinery Construction Shipbuilding Petroleum Chemical plant Power sector Gas Industry

ERNiCrMo-10 Welding Wire Chemical Composition

C	Mn	Fe	P	S	Si	Cu	Ni	Co	Cr	Mo	V	W	Other
0.015	0.50	2.0-6.0	0.02	0.010	0.08	0.50	Rem	2.5	20.0-22.5	12.5-14.5	0.35	2.5-3.5	0.5

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