

Metals And Welding Specialities is a trusted manufacturer and supplier of high-quality welding consumables, offering a comprehensive range of products designed to meet demanding industrial applications. Among our advanced welding materials, the **ERNiFeCr-14** MIG & TIG wire stands out for its precision engineering, consistent performance, and excellent weldability. This alloy is produced to deliver reliable results in critical environments, particularly where strength, corrosion resistance, and heat stability are essential.



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The **ERNiFeCr-14** filler metal corresponds to **UNS N06002** and meets **ASTM Grade A 494** specifications. It is also recognized under the **Universal Standard: ISO 18274 – NiCr21Fe9Mo**. This welding wire is primarily used for joining and overlaying nickel-based alloys and high-temperature steels used in furnace components, chemical processing plants, and gas turbine parts. Its unique nickel-iron-chromium-molybdenum composition ensures outstanding mechanical strength and oxidation resistance even at elevated temperatures.



ERNiFeCr-14 MIG & TIG Welding Wire, ERNiFeCr-14 MIG & TIG Welding Wire Manufacturers, ERNiFeCr-14 MIG & TIG Welding Wire Suppliers, ERNiFeCr-14 MIG & TIG Welding Wire Stockists, ERNiFeCr-14 MIG & TIG Welding Wire Exporters

Metals And Welding Specialities produces this wire with stringent quality control to ensure smooth feeding characteristics and clean, stable arc performance in both **MIG (GMAW)** and **TIG (GTAW)** applications. The weld deposits exhibit excellent resistance to carburization, sulfidation, and oxidation, making it suitable for components exposed to aggressive high-temperature environments. The filler metal's superior metallurgical stability also helps prevent cracking and distortion, ensuring the longevity and durability of welded joints.

The **ERNiFeCr-14** wire is extensively used in industries such as petrochemical processing, aerospace, power generation, and heat treatment equipment manufacturing. It performs exceptionally in welding materials like Inconel® and other nickel-chromium-iron alloys. Due to its high tensile strength and excellent weld pool control, it is an ideal choice for precision fabrication where quality and reliability are non-negotiable.



ERNiFeCr-14 MIG & TIG Welding Wire in India, ERNiFeCr-14 MIG & TIG Welding Wire Manufacturers in India, ERNiFeCr-14 MIG & TIG Welding Wire Suppliers in India, ERNiFeCr-14 MIG & TIG Welding Wire Stockists in India, ERNiFeCr-14 MIG & TIG Welding Wire Exporters in India

At **Metals And Welding Specialities**, every spool of ERNiFeCr-14 MIG & TIG Welding Wire wire is manufactured with advanced metallurgical expertise and processed under controlled conditions to ensure consistent composition and purity. This guarantees uniform weld metal properties, superior bead appearance, and minimal post-weld cleaning. Whether used for fabrication or repair, this filler wire delivers optimal results across a wide range of base materials.

Engineers and fabricators rely on **Metals And Welding Specialities'** welding solutions because we combine technology, experience, and commitment to excellence. Our **ERNiFeCr-14** MIG & TIG wire is a reflection of that dedication, offering unmatched performance and long-term dependability for critical applications where failure is not an option.

Specification ERNiFeCr-14 MIG & TIG Welding Wire



Classification	AWS A5.14, ERNICRMO-14
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 ERNCRMO-14 MIG & TIG Metal Application & uses

Hardware tools
Metallurgy
Machinery
Construction
Shipbuilding
Petroleum
Chemical plant
Power sector
Gas Industry

Equivalent Grade Of ERNiFeCr-14 MIG & TIG Welding Wire



Class	UNS	Oxford Alloys	Special Metals	SANDVIK
ERNICRMO-14	N10276	INCO WELD 68CPT	EXATON NI 55	EXATON NI 55

ERNiFeCr-14 MIG & TIG Welding Wire Chemical Composition



C	Mn	Si	Cr	S	P	Ni	Fe	Cu	Al	Mo	Ti	Nb+Ta
≤0.08	≤0.35	≤0.35	17-21	≤0.015	≤0.015	50-55	Rest	≤0.3	0.2-0.8	2.8-3.3	0.65-1.15	4.75-5.5

ERNiFeCr-14 MIG & TIG Welding Wire Parameters



Diameter		Process	Volt	Amps	Shielding Gas
In	mm				
0.035	0.9	GMAW	26-29	150-190	Spray Transfer 100% Argon
0.045	1.2	GMAW	28-32	180-220	
1/16	1.6	GMAW	29-33	200-250	
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

People Also Searched

ERNiFeCr-14 welding wire, UNS N06002 filler metal, ASTM A 494 Grade CW6M, nickel-iron-chromium alloy wire, NiCr21Fe9Mo welding wire, high-temperature welding filler, heat-resistant welding wire, Inconel welding wire, MIG wire UNS N06002, TIG wire UNS N06002, nickel-based filler rod, Metals And Welding Specialities ERNiFeCr-14, AWS A5.14 ERNiFeCr-14, nickel alloy welding

consumables, oxidation-resistant wire, corrosion-resistant filler metal, gas turbine welding wire, chemical processing alloy wire, furnace component filler metal, nickel-chromium-iron welding alloy, ERNiFeCr-14 MIG rod, ERNiFeCr-14 TIG rod, alloy 617 equivalent wire, ASTM A494 Grade A 494 wire, ISO 18274 NiCr21Fe9Mo, nickel-chromium-molybdenum filler, high-strength welding alloy, precision welding filler metal, ERNiFeCr-14 welding rod supplier, heat treatment furnace welding wire, aerospace alloy filler wire, petrochemical welding consumable, power generation welding filler, UNS N06002 MIG wire, UNS N06002 TIG filler, nickel alloy repair welding wire, Metals And Welding Specialities welding consumables, AWS ERNiFeCr-14 specification wire, industrial welding filler metals.