

Metals And Welding Specialities offers premium-quality **AWS Class ERNiCrMo-10** MIG and TIG welding wires, engineered for exceptional performance in demanding industrial environments. Designed for welding nickel-chromium-molybdenum alloys, this filler metal provides excellent resistance to pitting, crevice corrosion, and stress corrosion cracking in both oxidizing and reducing conditions. Known by its **UNS N06625** designation and conforming to **ASTM B443** standards, this alloy is a reliable choice for critical applications across chemical processing, aerospace, and marine industries.



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The **ERNiCrMo-10** welding wire is commonly used for joining similar corrosion-resistant nickel-based alloys and for overlay cladding where superior corrosion protection is required. It performs exceptionally well in environments containing chlorides, oxidizing acids, and other harsh chemicals. Its balanced chemistry, rich in nickel, chromium, and molybdenum, ensures outstanding weld metal strength, ductility, and long-term stability under high-stress conditions. The filler metal's high molybdenum and niobium content helps maintain mechanical integrity even in extreme temperature variations, making it an ideal choice for fabrication and repair of components exposed to aggressive environments.



ERNiCrMo-10 MIG & TIG Welding Wire, ERNiCrMo-10 MIG & TIG Welding Wire Manufacturers, ERNiCrMo-10 MIG & TIG Welding Wire Suppliers, ERNiCrMo-10 MIG & TIG Welding Wire Stockists, ERNiCrMo-10 MIG & TIG Welding Wire Exporters

Metals And Welding Specialities manufactures **AWS ERNiCrMo-10** using precision-controlled processes that ensure consistent composition and performance in every spool and rod. The wire offers smooth feeding characteristics in both MIG and TIG operations, minimizing spatter and promoting a stable arc. Welders appreciate its ease of use and excellent wetting action, which results in uniform bead appearance and minimal post-weld cleaning requirements. Whether used in automated systems or manual operations, this filler metal guarantees high deposition rates and reliable joint strength.

Applications of **ERNiCrMo-10 MIG & TIG wires** include joining and overlay welding in industries such as petrochemical, offshore, and power generation. It is extensively used for welding materials like Inconel® 625, Incoloy® 825, and similar Ni-Cr-Mo alloys. In desalination plants and marine structures, this alloy's superior resistance to seawater corrosion makes it a preferred material. The filler is also used for dissimilar welding between nickel alloys and stainless steels where maintaining corrosion resistance and mechanical compatibility is crucial.



ERNiCrMo-10 MIG & TIG Welding Wire in India, ERNiCrMo-10 MIG & TIG Welding Wire Manufacturers in India, ERNiCrMo-10 MIG & TIG Welding Wire Suppliers in India, ERNiCrMo-10 MIG & TIG Welding Wire Stockists in India, ERNiCrMo-10 MIG & TIG Welding Wire Exporters in India

At Metals And Welding Specialities, we ensure every **AWS Class ERNiCrMo-10** product meets international quality standards for weld purity, strength, and durability. With decades of metallurgical expertise, our team provides technical support to help clients select the right filler material for their specific application. Each batch undergoes stringent inspection and testing to deliver optimal performance, ensuring long-lasting weld integrity even in the harshest service conditions.

### Specification ERNiCrMo-10 MIG & TIG Welding Wire



<b>Classification</b>	<b>AWS A5.14, ERNiCrMo-10</b>
<b>Form</b>	MIG spools, TIG cut lengths, Reels and Coils
<b>Type Of Welding</b>	Inert Gas Welding
<b>Standard TIG straight lengths are available</b>	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

## 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 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

## 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

ERNiCrMo-10 welding wire, AWS ERNiCrMo-10, UNS N06625 filler rod, Inconel 625 welding wire, ASTM B443 alloy, nickel-chromium-molybdenum filler, Metals And Welding Specialities welding wire, ERNiCrMo-10 MIG wire, ERNiCrMo-10 TIG rod, nickel alloy welding wire, corrosion-resistant filler metal, Ni-Cr-Mo alloy wire, high-temperature welding wire, marine-grade filler rod, chemical plant welding alloy, alloy 625 MIG wire, alloy 625 TIG rod, UNS N06625 electrode, Inconel filler wire, superalloy welding material, heat-resistant filler metal, Incoloy 825 compatible wire, nickel-based filler rod, offshore welding alloy, ASTM B443 wire supplier, Metals And Welding Specialities UNS N06625, nickel alloy weld rod, welding consumables for Inconel, ERNiCrMo-10 supplier, high corrosion resistance filler, NiCrMo alloy wire manufacturer, alloy 625 overlay welding wire, ERNiCrMo-10 spool, TIG welding filler metal, MIG welding wire for nickel alloys, UNS N06625 welding material.