Metals And Welding Specialities is a trusted supplier of high-performance welding consumables, offering premium-grade **ERNiCrCoMo-1 MIG & TIG Welding Wire** wires designed for exceptional strength and corrosion resistance. This alloy, known under **UNS N06617** and often referred to by its universal standard name **Inconel® 617**, is an advanced nickel-chromium-cobalt-molybdenum filler metal that provides outstanding metallurgical stability in the most demanding environments. The product complies with **ASTM A494 Grade CW6M**, ensuring reliability and consistency in welding applications that demand resistance to oxidation and carburization at elevated temperatures.

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Manufactured with precision, **ERNiCrCoMo-1** welding wire is ideal for joining dissimilar metals and nickel-based alloys. It exhibits excellent weldability in both MIG and TIG processes, producing smooth, clean weld beads with minimal spatter. Metals And Welding Specialities ensures each wire undergoes rigorous quality checks, guaranteeing uniform composition and performance. The wire delivers exceptional mechanical strength and toughness, even after prolonged exposure to thermal cycling or aggressive service conditions.

ERNiCrCoMo-1 MIG & TIG Welding Wire, ERNiCrCoMo-1 MIG & TIG Welding Wire Manufacturers, ERNiCrCoMo-1 MIG & TIG Welding Wire Suppliers, ERNiCrCoMo-1 MIG & TIG Welding Wire Stockists, ERNiCrCoMo-1 MIG & TIG Welding Wire Exporters

This filler metal is specifically engineered for welding alloys such as Inconel 617, Incoloy 800H/HT, and dissimilar joints between nickel-chromium and iron-nickel-chromium alloys. Its robust chemistry—containing nickel, chromium, cobalt, and molybdenum—provides superior resistance against oxidation, sulfidation, and high-temperature corrosion. Industries such as chemical processing, aerospace, power generation, and furnace manufacturing rely on **AWS ERNiCrCoMo-1** to ensure weld integrity and long service life under extreme thermal stress.

The **ERNiCrCoMo-1 MIG & TIG** wire maintains its strength at temperatures up to 2100°F (1150°C), making it suitable for components like combustion cans, transition ducts, and gas turbine parts. Its metallurgical balance ensures that weld deposits retain ductility while resisting embrittlement, cracking, and scaling. When used with proper shielding gases and welding parameters, this wire provides exceptional arc stability and smooth weld flow.

ERNiCrCoMo-1 MIG & TIG Welding Wire in India, ERNiCrCoMo-1 MIG & TIG Welding Wire Manufacturers in India, ERNiCrCoMo-1 MIG & TIG Welding Wire Suppliers in India, ERNiCrCoMo-1 MIG & TIG Welding Wire Stockists in India, ERNiCrCoMo-1 MIG & TIG Welding Wire Exporters in India

Metals And Welding Specialities' commitment to excellence makes its **ERNiCrCoMo-1** wire a reliable choice for industries that demand precision and performance. Available in various diameters, it can be supplied on spools or in cut lengths, depending on your welding setup. Every batch adheres to international standards, offering consistency and traceability from production to application. For professionals who require durability, consistency, and superior weld quality, **ERNiCrCoMo-1 MIG & TIG Welding Wire** from Metals And Welding Specialities is the proven choice for high-temperature, corrosion-resistant applications.

Specification ERNiCrCoMo-1 MIG & TIG Welding Wire

Classification	**AWS A5.14, ERNiCrCoMo-1**
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-1 MIG & TIG Filler Metal Application & uses	Hardware tools Metallurgy Machinery Construction Shipbuilding Petroleum Chemical plant Power sector Gas Industry

Equivalent Grade Of ERNiCrCoMo-1 Welding Wire

Class	UNS	Oxford Alloys	Special Metals	BOHLER	UTP
ERNiCrCoMo-1	N06617	Alloy 617	INCONEL FILLER METAL 617	THERMANIT 617	UTP A 6170 CO

ERNiCrCoMo-1 MIG & TIG Welding Wire Chemical Composition

C	Mn	Si	Cr	S	P	Ni	Fe	Cu	Al	Mo	Co	Ti
0.05-0.15	≤1.0	≤1.0	20-24	≤0.015	≤0.03	Rest	≤3.0	≤0.5	0.8-1.5	8-10	10-15	≤0.6

ERNiCrCoMo-1 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

ERNiCrCoMo-1 filler wire, AWS ERNiCrCoMo-1 TIG wire, Inconel 617 welding wire, UNS N06617 filler metal, ASTM A494 CW6M, nickel-chromium-cobalt-molybdenum wire, high-temperature alloy welding rod, Inconel 617 MIG wire, nickel alloy TIG rod,

ERNiCrCoMo-1 welding electrode, Inconel 617 TIG filler, heat-resistant nickel wire, Inconel alloy welding consumables, gas turbine welding wire, chemical plant repair wire, high oxidation resistance welding rod, nickel-based filler for dissimilar metals, ERNiCrCoMo-1 composition, nickel-chromium alloy wire, cobalt-molybdenum welding wire, UNS N06617 specification, Inconel 617 ASTM grade, welding wire for superalloys, nickel alloy MIG filler, corrosion-resistant TIG rod, heat exchanger welding wire, Incoloy 800H compatible filler, furnace component welding wire, aerospace welding filler metal, high-strength nickel-chromium wire, oxidation-resistant alloy rod, ERNiCrCoMo-1 welding properties, Inconel 617 wire supplier, Metals And Welding Specialities welding consumables, UNS N06617 wire distributor, ASTM A494 CW6M material, high-temp welding filler, nickel-based alloy wire manufacturer.