

ERNiCrMo-4



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

ERNiCrMo-4 Welding Wires Materials and Welding Specialities' [ERNiCrMo-4 Welding Wires](#) are high performance Nickel-Chromium-Molybdenum filler Metals for demanding welding applications where supreme corrosion resistance, long term performance, and high strength are required. Known as alloy C276 (UNSN10276) these welding wires have been used extensively in chemical processing, marine engineering, power plants, pollution control systems and numerous other applications.

The ERNiCrMo-4 Welding Wires are used for critical welding applications in corrosion-prone and highly elevated temperature atmospheres. These Welding Wires are developed with high standards of quality and are known for their bond strength and long term welded durability. The 4 series of ERNiCrMo Welding Wires find extensive usage in the industrial sectors like chemical processing marine offshore oil & gas, power generation, aerospace and petro chemical plants. The production of ERNiCrMo Welding Wires manufacturing is undertaken by Metals And Welding Specialities.



ERNiCrMo-4 Welding Wires Chemical Composition

C	Mn	Fe	P	S	Si	Cu	Ni	Co	Cr	Mo	V	W	Other
0.02	1.0	4.0-7.0	0.04	0.03	0.08	0.50	Rem	2.5	14.5-16.5	15.0-17.0	0.35	3.0-4.5	0.5

Specification ERNiCrMo-4 Welding Wires

Classification	AWS A5.14, ERNiCrMo-4
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 ERNiCrMo-4 MIG & TIG Filler Metal Application & uses	Hardware tools Metallurgy Machinery Construction Shipbuilding Petroleum Chemical plant Power sector Gas Industry

Equivalent Grade of AWS ERNiCrMo-4 Welding Wires

Class	UNS	Oxford Alloys	Special Metals	SANDVIK	BOHLER	UTP	ESAB
ERNiCrMo-4	N10276	Alloy C-276	INCOWELD C-276	EXATON NI 56	BOHLER THERMANIT NIMO C276	UTP A 776	OK AUTROD NICRMO-4

ERNiCrMo-4 Welding Wires 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

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