



A₅ NI276

Classification

ISO 18274 : S-Ni 6276 (NiMo16Cr15Fe6W4) Material N° : 2.4886
 AWS A5.14 : ERNiCrMo-4

Description & Applications

Solid wire for GMAW base material of similar composition as Ni-Cr-Mo alloys like NiMo16Cr15W, UNS N10276, alloy C276 and others. Ni 276 is appropriate for lining sheet plates. Excellent resistance in oxide, chloride, acid and saline environments.

Main applications: Chemical industries, piping...

Typical Chemical Composition (%)

C	Si	Mn	Cr	Mo	Fe	W	P	S	Ni
0.01	0.05	0.4	16.0	16.0	6.0	3.5	<0.01	<0.01	Rem.

All Weld Metal Mechanical Properties

R _{p0.2} (MPa)	R _m (MPa)	A ₅ (%)	KV (J)
480	780	35	+20°C 100

Welding Current & Instructions

Welding mode	Wire Ø (mm)	Welding parameters		Shielding Gas
		Pulsed arc (A)	(V)	
MIG = +	0.8	80-140	23-27	Ar Ar + He Ar/He + 0.05% CO ₂ 18-20 l/min
	1.0	90-160	24-28	
	1.2	160-200	24-28	
	1.6	180-260	24-28	

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