



AWS A5.23 F8A/P6-ENi1-Ni1
EN ISO 14171-AS46 4FB T2Ni1

AK ENi1

Description: ENi1 is a low alloy steel buried arc welding wire. High-temperature toughness is excellent, the content of S and P is very low, and the mechanical performance is good.

Application: In conjunction with welding (such as SJ618, etc.), it is used for liquid alumane for storage containers and transportation pipes, and a low-temperature steel buried arc welding for low-temperature steel.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Cr	Ni		
Requirement	0.12	0.05-0.30	0.75-1.25	0.02	0.02	0.15	0.75-1.25		
Actual Result	0.06	0.20	1.03	0.005	0.008	0.01	0.91		

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	480-600	≥400	22	34J(-50℃)
Actual Result	570	495	27	111