

AK ER317L

Description: The welding wire is a 19%Cr- 14%Ni-3%Mo type stainless steel wire. Because it contains Mo, it has excellent corrosion resistance to acetic acid, sulfurous acid, phosphoric acid and salts. Good resistance to CL-pitting corrosion.

Application: For petrochemical equipment, etc., such as welding of 06Cr19Ni14Mo3 and other materials.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Mo	Cr	Cu
Requirement	0.03	0.3-0.65	1.0-2.5	0.03	0.03	13.0-15.0	3.0-4.0	18.5-20.5	0.75
Actual Result	0.011	0.48	1.33	0.006	0.014	13.45	3.27	19.08	0.01

Typical Mechanical Properties:

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	≥ 510		≥25	——
Actual Result	565		43	72J(-40℃)