

AK ER316L

Description: The welding wire is an ultra-low carbon 19%Cr-12%Ni-2%Mo type stainless steel welding wire. Because it contains Mo, it has good corrosion resistance to acetic acid, sulfurous acid, phosphoric acid and salts. The welding arc is stable and the shape is beautiful. Can be welded in all positions.

Application: For petrochemical, chemical fertilizer equipment, etc., such as 022Cr- 19Ni12Mo2 (S316L) and other materials welding.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Mo	Cr	Cu
Requirement	0.03	0.30-0.65	1.0-2.5	0.03	0.03	11.0-14.0	2.0-3.0	18.0-20.0	0.75
Actual Result	0.015	0.66	2.06	0.011	0.016	11.73	2.20	18.88	0.01

Typical Mechanical Properties:

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	≥ 510		≥25	——
Actual Result	589		42	70J(-60℃)