

AK ER410

Description: The welding wire is a 13Cr type martensitic stainless steel welding wire. The welding operation arc is stable and the shape is beautiful.

Application: It is used in corrosion- resistant occasions such as hydropower stations and valves. It is often used for welding alloys with similar compositions, and can also be used for surface surfacing.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Mo	Cr	Cu
Requirement	0.12	0.50	0.6	0.03	0.02	0.6	0.75	11.5-13.5	0.75
Actual Result	0.09	0.42	0.56	0.010	0.017	0.35	0.01	12.59	0.02

Typical Mechanical Properties:

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	——		——	——
Actual Result	650		23	——