

AK E8016-G

Description: AK-E8016-G is a low-alloy steel electrode with low-hydrogen potassium type alkaline coating. AC and DC dual-use, can perform all-position welding. The welding process performance is excellent, the arc is stable, the spatter is small, the slag removal is easy, and the welding seam is beautiful.

Application: It is suitable for welding medium carbon steel and some low alloy steels, such as 15MnTi, 15MnV, etc..

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Mo	Cr	V
Actual Result	0.08	0.40	1.40	0.015	0.020	—	—	—	—

Typical Mechanical Properties:

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	≥ 550	≥460	≥ 17	≥47J(-30℃)
Actual Result	580	490	20	90

Recommended welding parameters:

Diameter/ mm		2.5	3.2	4.0
Welding current/A	F/ H	60-80	80-120	140-180
	V/OH	50-70	70-110	120-160