

# AK EA2

**Description:** EA2 is a low alloy high strength steel submerged arc welding wire. With the corresponding flux, excellent comprehensive mechanical properties can be obtained.

**Application:** With flux (such as AKJ101, AKJ105, etc.) for the welding of low-alloy steel and high-strength steel such as Q420.

## Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Cr	Mo	Cu
<b>Requirement</b>	0.05-0.17	0.20	0.95-1.35	0.025	0.025	---	---	0.45-0.65	0.35
<b>Actual Result</b>	0.09	0.12	1.12	0.005	0.009	---	---	0.53	0.20

## Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values ( J)
<b>Requirement</b>	550-700	≥470	20	27J(-20°C)
<b>Actual Result</b>	616	537	27	112