

# AK EB1

## Description

EB1 is a submerged arc welding wire engineered for dependable arc stability, uniform weld formation, and reliable mechanical performance. It is suitable for carbon steel and selected low-alloy steel applications, providing smooth operation and consistent weld quality for manufacturers requiring efficient and repeatable SAW production.

## Application Scenario

EB1 is widely applied in structural fabrication, pressure vessel manufacturing, construction equipment, pipelines, and heavy industrial components. It is a suitable choice for workshops and factories that need stable welding performance, good weld consistency, and productive output in medium- to heavy-duty submerged arc welding operations.

### Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Cr	Mo	Cu
<b>Requirement</b>	0.10	0.05-0.30	0.40-0.80	0.025	0.025	---	0.40-0.75	0.45-0.65	0.35
<b>Actual Result</b>	0.08	0.23	0.64	0.015	0.010	---	0.58	0.53	0.20

### Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values ( J)
<b>Requirement</b>	---	---	---	---
<b>Actual Result</b>	---	---	---	---