



GB/T 12470 S 62 2 FB-SU2C1M

AWS A5.23 F9P0-EB3-B3

EN ISO 14171 - A:SS CrMo2

# AK EB3

**Description:** EB3 is 2.25%Cr-1.0%Mo pearlite heat resistant steel submerged arc welding wire. The weld with good mechanical properties can be obtained by matching the corresponding flux.

**Application:** The combined flux (such as AKJ101, etc.) is used for the welding of 2.25%Cr-1.0%Mo heat resistant steel.

## Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Cr	Mo	Cu
<b>Requirement</b>	0.05-0.15	0.05-0.30	0.40-0.80	0.025	0.25	---	2.25-3.0	0.90-1.10	0.35
<b>Actual Result</b>	0.07	0.21	0.65	0.006	0.009	---	2.45	0.98	0.10

## Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)	PWHT(°C*h)
<b>Requirement</b>	620-760	≥ 540	17	27J(-20°C)	620*1
<b>Actual Result</b>	630	540	21	100	690*6