



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	—
Requirement	0.05-0.15	0.80	1.20	0.03	0.03	—	2.0-2.5	0.90-1.20	—
Actual Result	0.07	0.21	0.85	0.006	0.009	—	2.45	0.98	—

Typical Mechanical Properties:

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