



GB/T 12470 S 55 2 FB-SU1CM

AWS A5.23 F8P0-EB2-B2

EN ISO 24598 - A:SS CrMo1

# AK EB2

**Description:** EB2 is a 1.25%Cr-0.5%Mo series pearlitic heat-resistant steel submerged arc welding wire. With the corresponding flux, the weld metal with excellent mechanical properties can be obtained.

**Application:** With flux (such as AKJ105, etc.), it is used for welding 1.25%Cr-0.5%Mo pearlitic heat resistant steel, such as T11 steel of heat-resistant steel pipeline structure.

## Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Cr	Mo	Cu
Requirement	0.07-0.15	0.05-0.30	0.45-1.0	0.025	0.025	---	1.0-1.75	0.45-0.65	0.35
Actual Result	0.09	0.20	0.58	0.007	0.009	---	1.24	0.50	0.20

## Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)	PWHT (°C*h)
Requirement	550-700	≥470	20	27J(-20°C)	620*1
Actual Result	630	570	24	110	690*5