



GB/T 12470 S552 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	—
Requirement	0.05-0.15	0.8	1.20	0.03	0.03	—	1.0-1.5	0.40-0.65	—
Actual Result	0.07	0.20	0.58	0.007	0.009	—	1.24	0.50	—

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