



GB/T 36034S62A2 FB-SUN1M3

AWS A5.23 F9A0-EF2

EN ISO 26304 - B:S 62 A 2 FB SUN1M3

AK EF2

Description: EF2 is a high-quality high-strength low-temperature submerged arc welding wire. With the corresponding flux, the deposited metal has excellent low temperature impact toughness.

Application: With flux (such as SJ101, etc.), it can be used for welding of structures such as offshore platforms, port machinery, lifting and transportation equipment, vehicles, and petrochemicals.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Cr	Mo	Cu
Requirement	0.10-0.18	0.20	1.70-2.40	0.025	0.025	0.40-0.80	---	0.40-0.65	0.35
Actual Result	0.12	0.15	2.20	0.015	0.012	0.56	---	0.47	0.20

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	620-760	≥ 540	20	27J(-40°C)
Actual Result	665	590	24	113