

AK H08Mn2NiMoTiB

Description: AK-H08Mn2NiMoTiB is a submerged arc welding wire for X100 pipeline steel. With the corresponding flux, the welding seam is beautiful in shape and has excellent mechanical properties and crack resistance.

Application: With flux (such as SJ102G), it can be used for welding of X100 pipe line steel and low-alloy high-strength structural steel.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	B	Ti	Mo	Ni
Requirement	0.12	0.15-0.50	1.40-2.00	0.015	0.020	0.10	0.15	0.2-0.45	0.50-1.20
Actual Result	0.05	0.28	1.95	0.008	0.010	0.008	0.10	0.31	0.88

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	≥700	≥600	20	27J(-40℃)
Actual Result	813	660	26	98