

AK H08Mn2NiMoE

Description: AK-H08Mn2NiMoE is a low alloy steel submerged arc welding wire. With the corresponding flux, the deposited metal has excellent low temperature impact toughness.

Application: Combined with flux (such as SJ105, SJ105Q, etc.) for submerged arc welding of liquefied gas LPG transportation storage tanks, E490 steel, etc..

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Ti	Mo	
Requirement	0.12	0.45	1.60-2.10	0.015	0.020	0.2-0.5	0.15	0.2-0.5	
Actual Result	0.05	0.19	1.95	0.008	0.010	0.32	0.11	0.28	

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	610-770	≥ 500	18	50J(-40℃)
Actual Result	673	550	25	112