

AK H13CrMoA

Description: AK-H13CrMoA is a 1%Cr-0.5%Mo 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 SJ101, HJ250), it is used for welding 1%Cr-0.5%Mo pearlitic heat resistant steel, such as 15CrMo and 12CrMo steel of heat-resistant steel pipeline structure.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Cr	Mo		
Requirement	0.11-0.18	0.15-0.35	0.40-0.70	0.03	0.03	0.8-1.1	0.4-0.6		
Actual Result	0.07	0.25	0.65	0.008	0.01	0.95	0.45		

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	550-700	≥470	20	27J(-20℃)
Actual Result	590	490	23	86