

AK H08CrMoVA

Description: AK-H08CrMoVA heat-resistant steel submerged arc welding wire is a 1.0%Cr-0.5%Mo-0.25%V series pearlite 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, HJ350, etc.), it is used for welding 1.0%Cr-0.5%Mo-0.25%V series pearlitic heat-resistant steel, such as 12Cr1MoV steel welding metal.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	V	Cr	Mo	Ni
Requirement	0.10	0.15-0.35	0.40-0.70	0.03	0.03	0.15-0.35	1.0-1.3	0.50-0.70	0.30
Actual Result	0.047	0.28	0.58	0.008	0.010	0.19	1.12	0.61	0.10

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Standard	550-700	≥470	20	27J(25℃)
Typical Value	622	539	23	77