

AK A506NH

Description: AK-A506NH is a low hydrogen potassium type basic alloy refractory and weathering steel electrode. AC and DC dualuse, can perform all-position welding. The welding process performance is good, the arc is stable, the spatter is small, the slag removal is easy, the welding seam is beautiful, and the weld metal has the same fire and weather resistance performance as LWFR490 fire-resistant and weather-resistant steel.

Application: This electrode is a special electrode matched with LWFR490 refractory and weathering steel. It is mainly used for the welding of high-rise steel structures, bridges and other important structures that require fire and weather resistance.

Typical Chemical Composition(%):

	C	Mn	P	S	Si	Mo	Cu	Cr	Ni
Requirement	0.12	0.50-1.3	0.020	0.03	0.40	0.30-0.50	0.20-0.35	—	—
Actual Result	0.08	1.1	0.015	0.010	0.30	0.40	0.28	—	—

Typical Mechanical Properties :

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	≥490	≥400	≥ 20	≥47J(-20℃)
Actual Result	560	450	26	160