GB/T 13814 ENi 6062

AWS A5.11 ENiCrFe-1

EN ISO 14172- ENi 6062

AK ENiCrFe-1

Description: AK-ENiCrFe-1 is a nickel-based alloy electrode with a low-hydrogen coating. The chemical composition code is NiCr15Fe8Nb. Because the weld contains NiCr15Fe8Nb, the deposited metal has good plasticity and crack resistance. It adopts DC reverse connection and can be welded in all positions.

Application: Mainly used for welding nickel-based alloys and dissimilar steels that require heat and corrosion resistance.

Typical Chemical Compostion(%):

	C	Si	Mn	S	P	Fe	Ni	Cr	Nb
Requirement	0.08	0.80	3.50	0.015	0.02	11.00	≥62	13.0-17.0	0.5-4.0
Actual Result	0.015	0.40	2.50	0.008	0.005	5.40	72.1	15.73	2.88

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	≥ 550	≥ 360	27	
Actual Result	650	386	36	