GB/T 13814 ——

AWS A5.11 ENiCrMo-7

EN ISO 14172——

AK ENiCrMo-7

Description: ENiCrMo-7 is a nickel-chromium-molybdenum welding electrode designed for high-corrosion and high-temperature environments. It provides excellent resistance to oxidation, pitting, crevice corrosion, and thermal stress, making it suitable for joining nickel alloys, stainless steels, and dissimilar metals.

Application: ENiCrMo-7 is commonly used in chemical processing, offshore engineering, power generation, and flue gas desulfurization systems. It is ideal for welding equipment exposed to seawater, acidic media, chlorides, and extreme heat, such as reactors, piping, heat exchangers, and pressure vessels.

Typical Chemical Compostion(%):

	C	Mn	Fe	P	S	Si	Cu	Ni	Co
Requirement	0.015	1.50	3.0	0.040	0.030	0.20	0.50	Rem.	2.0
Actual Result	0.010	1.05	1.82	0.015	0.015	0.10	0.20	Rem.	1.45
	Al	**Ti**	**Cr**	**Nb+Ta**	**Mo**	**V**	**W**	**La**	**B**
Requirement	——	0.70	14.0-18.0	——	14.0-17.0	——	0.50	——	——
Actual Result	——	0.20	15.79	——	15.26	——	0.10	——	——

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	≥690		25	
Actual Result	752		30	