



GB/T 13814 ENi 6182

AWS A5.14 ERNiCrFe-12

EN ISO 14172- ENi 6182

AK ERNiCrFe-12

Description: Excellent welding properties with high build-up capacity and low dilution rate. Excellent resistance against temperature cycling conditions up to 1200°C and carburized medias. Excellent fatigue strength and creep properties.

Typical Chemical Composition(%):

	C	Si	Mn	Y	Ti	Ni	Fe	Cr	Zr	Al
Requirement	0.15-0.25	0.50	0.5	—	0.1-0.2	Rem.	8.0-11.0	24.0-26.0	1.0	1.8-2.4
Actual Result	0.21	0.21	0.12	0.08	0.14	Rem.	10.40	25.10	0.05	2.0

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement				
Actual Result	715	512	25	50