



GB/T 15620 S Ni6625
AWS A5.14 ERNiCrMo-3
EN ISO 18274-S Ni6625

AK ERNiCrMo-3

Description: Ni-Cr-Mo type nickel alloy argon gas shielding TIG rod, nominal composition is: 61%Ni-22%Cr-9%Mo-3.5%Nb+Ta; Deposited metal with excellent mechanical properties and pitting resistance and crevice corrosive resistance; Stable arc, beautiful weld bead appearance, great iron water fluidity, excellent weld ability.

Application: Suitable for welding Ni-Cr-Mo alloy, such as Inconel 625, Incoloy 825, can be used for dissimilar metal welding and buildup welding with nickel alloy and stainless steel, can be used in environment between low temperature to 540°C.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Fe	Ni	Cr	Mo
Requirement	0.10	0.50	0.50	0.015	0.020	5.00	≥ 58	20.00-23.00	8.00-10.00
Actual Result	0.006	0.12	0.15	0.006	0.009	0.18	64.84	22.02	8.75

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	760	—	27	
Actual Result	790	—	46	