



GB/T 15620 S Ni2061

AWS A5.14 ERNi-1

EN ISO 18274-S Ni 2061

AK ERNi-1

Description: Pure nickel type argon gas shielding TIG rod, with nominal composition: 86%Ni-3%Ti; Added Ti element to reduce the possibility of having blow holes while welding; stable arc. beautiful weld bead appearance, great iron water fluidity, excellent weld ability.

Application: Suitable for welding of industrial pure nickel forging and casting, such as 200, 201 nickel alloy, nickel coated steel plate, ASTM B160, B161, B162, B163 and UNS N02200 and N02201. can also be used for dissimilar steel welding between nickel alloy and stainless steel and surface buildup welding.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Fe	Ni	Ti	Cr
Requirement	0.15	0.70	1.00	0.015	0.030	1.00	≥92	2.00-3.50	—
Actual Result	0.005	0.26	0.48	0.004	0.006	0.07	94.69	2.95	0.46

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	—	—	—	
Actual Result	550	—	36	