

AK ER1070

TIG/MIG

Description: ER1070 is a pure aluminum welding wire containing more than 99.7% aluminum. It has good weldability and corrosion resistance, as well as excellent plasticity and toughness, but its strength is low.

Application: Argon arc welding (MIG or TIG) and oxygen-acetylene gas welding are used to weld pure aluminum and aluminum alloys that do not require high joint performance as filling materials, and are widely used in aluminum equipment in the electric power and chemical industries.

Typical Chemical Composition(%):

	Si	Fe	Cu	Mn	Mg	Zn	Al	Be	Other
Requirement	0.20	0.25	0.04	0.03	0.03	0.04	99.7	0.0003	—
Actual Result	0.13	0.11	0.01	0.02	—	0.005	99.71	0.0002	—

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	—	—	—	
Actual Result	90	—	35	