



GB/T 10858 S Al 5356

AWS A5.10 ER5356

EN ISO 18273 S Al 5356

AK ER5356

TIG/MIG

Description: An Al-Mg alloy welding wire is mainly used where higher weld strength and greater ductility are required. 5356 has greater resistance to corrosion (saltwater) and a better color match after anodizing DC Reversed Polarity connection. Argon shielding gas is required.

Application: Welding for 5xxx series alloys.

Typical Chemical Composition(%):

	Si	Fe	Cu	Mn	Mg	Zn	Al	Cr	Be	Ti
Requirement	0.25	0.40	0.10	0.05-0.20	4.5-5.5	0.10	bal.	0.05-0.20	0.0003	0.06-0.20
Actual Result	0.15	0.10	0.03	0.15	5.2	0.05	bal.	0.10	0.0002	0.10

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	— —	— —	— —	
Actual Result	105	205	17	