



GB/T 10858 S Al 5556A

AWS A5.10 ER5556A (AlMg5Mn)

EN ISO 18273 S Al 5556A

AK ER5556A

TIG/MIG

Description: AK-ER5556A is a high strength aluminum magnesium manganese alloy. It is often used for welding high-strength base metals such as 5083, and has good strength on 6XXX base metals.

Application: Control elements for higher weld strength than 5356 alloy; good ductility and improved crack resistance ; high corrosion resistance for marine applications.

Typical Chemical Composition(%):

	Si	Fe	Cu	Mn	Mg	Zn	Al	Be	Cr	Ti
Requirement	0.25	0.40	0.10	0.60-1.0	5.0-5.5	0.20	bal.	0.0003	0.05-0.20	0.05-0.20
Actual Result	0.02	0.10	0.05	0.73	5.21	0.05	bal.	0.0002	0.10	0.10

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	---	---	---	
Actual Result	305	185	19	