



GB/T 10858 S Al 4043

AWS A5.10 ER4043

EN ISO 18273 S Al 4043

AK ER4043

TIG/MIG

Description: An Al-Si alloy welding wire can use where base metal requires thermal treatment, mainly 6xxx series alloys. Higher silicon improves fluidity, making it become the preferred choice of welders. This product is not sensitive to weld crack, it also can be used on weld forge and casting materials.

Application: Welding for 6xxx series alloys.

Typical Chemical Composition(%):

	Si	Fe	Cu	Mn	Mg	Zn	Al	Be	Ti
Requirement	4.5-6.0	0.80	0.03	0.05	0.05	0.10	bal.	0.0003	0.20
Actual Result	5.0	0.15	0.01	0.02	0.02	0.05	bal.	0.0002	0.10

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	— —	— —	— —	
Actual Result	105	155	15	