

Product Name: ER4043 | AlSi5

Product description

ER4043 (Al-Si5) is one of the oldest and most widely used welding and brazing alloys. SIWEITE ER4043 can be classified as a general purpose type filler alloy.

WIRE COMPOSITION (%)

	Al	Si	Fe	Cu	Mn	Mg	Zn	BE	Ti
Requirments-ER4043	Remainder	4.50-6.00	<0.80	<0.30	0.05	<0.05	<0.04	<0.0003	<0.15
Typical Results	Remainder	5	0.15	0.03	0.001	0.02	0.001	0.0000	0.01

Mechanical properties

Welding consumables	Y.S (MPa)	T.S (MPa)	El. (%)	Melting point (°C)	Anodizing color
ER4043	124-224	275-330	12-16	579-582	White

Key Features:

- Metal spraying.
- Lower melting point and good fluidity.
- More specifically the 6XXX series alloys.
- Designed for welding heat-treatable base alloys.
- Suitable for sustained elevated temperature service.
- Low sensitivity to weld cracking with the 6XXX series base alloys.

Application:

- For welding 6XXX alloys, and most casting alloys
- Automotive components
- Bicycle frames
- Recreation

Shielding Gas:

- 100% Argon
- Argon/Helium mixture

Conformance:

- ISO 10858-2008
- AWS A5.10

Diameters/Packing

Type	Diameters(mm)	Package	Weight(kg)
MIG wire	0.9mm, 1.0mm, 1.2mm, 1.6mm	D300mm Plastic Spool/Steel Spool	7
		D270mm Plastic Spool	7
	0.9mm, 1.0mm, 1.2mm	D200mm Plastic Spool	2
		D100mm Plastic Spool	0.5
TIG rod	1.6mm, 2.0mm, 2.4mm, 3.0mm, 3.2mm, 4.0mm, 5.0mm, 6.0mm	Length:1000mm	5
		Carton or plastic tube	10
			20