

# RASI ALUFAB 4043

## Aluminum - AWS ER 4043

### KEY FEATURES

- Designed for welding heat-treatable base alloys and more specifically 6XXX series alloys
- Lower melting point and more fluidity than 5XXX series filler alloys
- Low sensitivity to weld cracking with 6XXX series base alloys
- Suitable for sustained elevated temperature service, i.e. above 65°C (150°F)
- Not recommended for materials to be anodized

### WELDING POSITIONS

All, except vertical down

### CONFORMANCE

SFA/AWS A5.10/A5.10M: 4043  
ASME SFA-A5.10: 4043

### TYPICAL APPLICATIONS

- For welding 6XXX alloys, and most casting alloys
- Automotive components such as frame and drive shafts
- Bicycle frames

### SHIELDING GAS

100% Argon  
Argon / Helium Mixtures  
Flow Rate: 30 - 50 CFH

### WIRE COMPOSITION

	Al %	Si %	Fe %	Cu %	Mn %
Requirements - AWS ER 4043	Remainder	4.50 - 6.00	0.80 max	0.30 max	0.05 max
Typical Results	Remainder	5.25	0.16	0.01	0.01
	Mg %	Cr %	Zn %	Ti %	Be %
Requirements - AWS ER 4043	0.05 max	---	0.10 max	0.20 max	0.0003 max
Typical Results	0.03	---	0.001	0.01	<0.0002

### DIAMETERS / PACKAGING

Ø 1.00 mm	Ø 1.20 mm	Ø 1.60mm	Ø 2.00 mm	Ø 2.40 mm
7 kg spool	7 kg spool	7 kg spool 2 kg filler wire	2 kg filler wire	2 kg filler wire

storage - Store in warm and dry place. \*FOR APPROVALS AND CERTIFICATIONS KINDLY CONTACT :- [info@rasielectrodes.com](mailto:info@rasielectrodes.com)  
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