

SUPERGLAZE® 4043

Aluminum ■ AWS ER4043

KEY FEATURES

- Use on many weldable cast and wrought aluminum alloys
- Generally recommended for welding 5052, any 6XXX series alloys and castings
- Embossed on each end for easy identification after use

WELDING POSITIONS

All

NOTE

- Typical Operating Procedures on pg. I-15 - I-16

CONFORMANCES

SFA/AWS A5.10/A5.10M:	ER4043
ASME SFA-A5.10:	ER4043
AMS4190K: (Chemistry Only)	5.2Si (4043)

TYPICAL APPLICATIONS

- Bicycle frames
- Pressure vessels

DIAMETERS / PACKAGING

Diameter in (mm)	10 lb (4.5 kg) Carton
1/16 (1.6)	ED031111
3/32 (2.4)	ED031112
1/8 (3.2)	ED031113

WIRE COMPOSITION⁽¹⁾ – As Required per SFA/AWS A5.10/A5.10M

	%Al	%Si	%Fe	%Cu	%Mn
Requirements - AWS ER4043	Remainder	4.50-6.00	0.80 max	0.30 max	0.05 max
Typical Results ⁽²⁾	Remainder	5.01	0.13	0.008	0.009
	%Mg	%Cr	%Zn	%Ti	%Be
Requirements - AWS ER4043	0.05 max	Not Specified	0.10 max	0.20 max	0.0003 max
Typical Results ⁽²⁾	0.03	—	0.002	0.007	0.0002

⁽¹⁾Typical all weld metal. ⁽²⁾See test results disclaimer

Material Safety Data Sheets (MSDS) and Certificates of Conformance are available on our website at www.lincolnelectric.com

TEST RESULTS

Test results for mechanical properties, deposit or electrode composition and diffusible hydrogen levels were obtained from a weld produced and tested according to prescribed standards, and should not be assumed to be the expected results in a particular application or weldment. Actual results will vary depending on many factors, including, but not limited to, weld procedure, plate chemistry and temperature, weldment design and fabrication methods. Users are cautioned to confirm by qualification testing, or other appropriate means, the suitability of any welding consumable and procedure before use in the intended application.

CUSTOMER ASSISTANCE POLICY

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