

# 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

## Conformances

AWS A5.10/A5.10M: 1999 ER4043  
ASME SFA-A5.10: ER4043

## Welding Positions

All

## Typical Applications

- ▶ Bicycle frames
- ▶ Pressure vessels
- ▶ Electrical bus bars

## 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

## DEPOSIT COMPOSITION<sup>(1)</sup> – As Required per AWS A5.10/A5.10M: 1999

	%Al	%Si	%Fe	%Cu	%Mn
Requirements - AWS ER4043	Remainder	4.50-6.00	0.80 max.	0.30 max.	0.05 max.
Typical Performance <sup>(2)</sup>	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.	0.0008 max.
Typical Performance <sup>(2)</sup>	0.03	—	0.002	0.007	0.0002

<sup>(1)</sup>Typical all weld metal. <sup>(2)</sup>See test results disclaimer on pg. 12.

*Material Safety Data Sheets (MSDS) and Certificates of Conformance are available on our website at [www.lincolnelectric.com](http://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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