

# SUPERGLAZE® 4047

Aluminum ▪ AWS ER4047

## KEY FEATURES

- Lower melting point and higher fluidity than 4043 wires
- Can be used as a substitute for 4043 wires to increase silicon in the weld metal, minimize hot cracking and produce higher fillet weld shear strength

## WELDING POSITIONS

All, except vertical down

## NOTE

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

## CONFORMANCES

SFA/AWS A5.10/A5.10M: ER4047  
ASME SFA-A5.10 ER4047

## TYPICAL APPLICATIONS

- Automotive components
- Heat exchangers
- Body panels
- Brazing of aluminum sheets, extrusions and castings

## SHIELDING GAS

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

## DIAMETERS / PACKAGING

Diameter in (mm)	16 lb (7.3 kg) Plastic Spool	300 lb (136 kg) Gem-Pak™ Box
0.035 (0.9)	EDS28415	
3/64 (1.2)	EDS28417	ED036613
1/16 (1.6)	EDS28418	ED036612

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

	%Al	%Si	%Fe	%Cu	%Mn
<b>Requirements</b> – AWS ER4047	Remainder	11.00-13.00	0.80 max	0.30 max	0.15 max
<b>Typical Results</b> <sup>(2)</sup>	As Reported per AWS Requirements				
	%Mg	%Cr	%Zn	%Ti	%Be
<b>Requirements</b> – AWS ER4047	0.10 max	—	0.20 max	—	0.0003 max
<b>Typical Results</b> <sup>(2)</sup>	As Reported per AWS Requirements				

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

*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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