

SuperGlaze® MIG 4047

TOP FEATURES

- Substitute for 4043 to increase Silicon in weld metal
- Minimize hot cracking to produce higher fillet weld shear strength
- Cosmetic appearing welds
- Lower melting point and higher fluidity than 4043 wires

TYPICAL APPLICATIONS

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

CLASSIFICATION

AWS A5.10	ER4047
EN ISO 18273-A	S Al 4047 (AlSi12)

SHIELDING GASES (ACC. EN ISO 14175)

I1	Inert gas Ar (100%)
I3	Inert gas Ar+ 0.5-95% He
Flow rate	14.2-23.6 l/min

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, WIRE

Al	Si	Fe	Cu	Mn	Mg	Zn	Be
bal.	11-13	max. 0.8	max. 0.30	max. 0.15	max. 0.10	max. 0.20	0.0003

Notes: Unspecified elements should not exceed a total of 0.15%

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)
Typical values	I1	AW	60-80	130-190	5-20

* AW = As welded

PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
1.2	SPOOL	7.3	EDS28417
	DRUM	136.0	ED036613
1.6	DRUM	136.0	ED036612

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

Safety Data Sheets (SDS) are available here:



Subject to Change – The information is accurate to the best of our knowledge at the time of printing.
Please refer to www.lincolnelectric.eu for any updated information.