SuperGlaze® TIG 4043

TOP FEATURES

- Use on many weldable cast and wrought aluminium alloys
- Generally recommended for welding 5052, any 6XXX series alloys and castings
- Alloy embossed on each rod for easy identification

TYPICAL APPLICATIONS

- Bicycle frames
- Pressure vessels

CLASSIFICATION

AWS A5.10	R4043
EN ISO 18273	S Al 4043 (AlSi5)

APPROVALS

TÜV, DB, CWB, CE

SHIELDING GASES (ACC. EN ISO 14175)

I1	Inert gas Ar (100%)
I3	Inert gas Ar+ 0.5-95% He
Flow rate	14-24 l/min (Argon)

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL

Al	Si	Fe	Cu	Mn	Mg	Zn	Ti	Be
bal.	5.01	0.13	0.008	0.009	0.03	0.002	0.007	0.0002

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)
Typical values	I1	AW	20-40	120-165	3-18

AW = As welded

AVAILABLE SIZES AND PACKAGING INFORMATION

Diameter x Length (mm)	Packaging	Weight (kg)	Item number
1.6	CARTON BOX	4.5	ED031111C
2.4	CARTON BOX	5.0	ED701958
3.2	CARTON BOX	5.0	ED701959

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.