ALUROD ALSI5

TOP FEATURES

- Use on many weldable cast and wrought aluminum alloys
- Better puddle and fluidity makes it less prone to cracks
- Generally recommended for welding 5052, any 6XXX series alloys and castings

TYPICAL APPLICATIONS

- Bicycle frames
- Pressure vessels

CLASSIFICATION

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

SHIELDING GASES (ACC. EN ISO 14175)

I1	Inert gas Ar (100%)

APPROVALS

TÜV	DB	CE
+	+	+

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, WIRE

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

Note: 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	20-40	120-165	3-18

* AW = As welded

PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Weight (kg)	Item number
1.6	PE Tube	5.0	W000378507
2.0	PE Tube	5.0	W000283559
2.4	PE Tube	5.0	W000283560
3.2	PE Tube	5.0	W000283561

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.