SuperGlaze® TIG 5183

TOP FEATURES

- Designed for applications where higher strength is required
- For 5083 and 5456 base materials
- Excellent corrosion resistance ideal for Ship building and marine applications

TYPICAL APPLICATIONS

- Marine
- Shipbuilding
- Cryogenic tanks
- Bicycle frames
- Railway Industry

CLASSIFICATION

AWS A5.10	R5183
EN ISO 18273	S Al 5183 (AlMg4.5Mn0.7(A))

APPROVALS

ABS, TÜV, DB, 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	Cr	Zn	Ti	Be
bal.	0.03	0.13	0.001	0.65	4.99	0.10	0.02	0.07	0.0002

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)
Typical values	I1	AW	125-165	270-290	16-25

AW = As welded

AVAILABLE SIZES AND PACKAGING INFORMATION

Diameter x Length (mm)	Packaging	Weight (kg)	Item number
2.4	CARTON BOX	5.0	ED701965
3.2	CARTON BOX	5.0	ED701964
4.0	CARTON BOX	5.0	ED702517

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.