# SuperGlaze® 5183 PLUS

## TOP FEATURES

- Smooth arc transfer for the most demanding 5183 applications
- Optimal arc stability and feedability
- Designed for ease of use on semi-automatic spooled application

## TYPICAL APPLICATIONS

- Marine fabrication and repair
- Cryogenic tanks
- Shipbuilding and other high strength structural aluminum applications
- Railcars
- Offshore industry

## CLASSIFICATION

| | |
|---|---|
| AWS A5.10 | ER5183 |
| EN ISO 18273 | S Al 5183 (AlMg4.5Mn0.7(A)) |

## 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) |

## APPROVALS

| ABS | LR | BV | DNV | RINA | TÜV | DB | CWB | CCS | OTHER | CE |
|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | KR | + |

## CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, WIRE

| 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 |

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

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

| | Shielding gas | Condition* | Tensile strength (MPa) | Elongation (%) |
|---|---|---|---|---|
| Typical values | I1 | AW | 275-310 | 26-32 |

* AW = As welded

## PACKAGING AND AVAILABLE SIZES

| Wire diameter (mm) | Packaging | Weight (kg) | Item number |
|---|---|---|---|
| 1.2 | SPOOL (BS300) | 7.0 | ED704127 |
| | SPOOL (S300) | 7.26 | ED704128 |
| 1.6 | SPOOL (BS300) | 7.0 | ED704129 |

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.