

# SuperGlaze® MIG HD 5183

## TOP FEATURES

- Designed for heavy duty applications
- Reduced shavings and improved feedability
- Used on 5083 and 5456 base materials
- Also used on most 5XXX and 6XXX base materials
- Excellent corrosion resistance for marine applications

## CLASSIFICATION

AWS A5.10 ER5183  
EN ISO 18273-A 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 14.2-23.6 l/min (for Argon)

## APPROVALS

| ABS | LR | BV | RINA | TÜV | DB | CE |
|-----|----|----|------|-----|----|----|
| +   | +  | +  | +    | +   | +  | +  |

## 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* | Yield strength (MPa) | Tensile strength (MPa) | Elongation (%) |
|----------------|---------------|------------|----------------------|------------------------|----------------|
| Typical values | I1            | AW         | 125-165              | 270-290                | 16-25          |

\* AW = As welded

## PACKAGING AND AVAILABLE SIZES

| Wire diameter (mm) | Packaging | Weight (kg) | Item number |
|--------------------|-----------|-------------|-------------|
| 1,2                | SPOOL     | 7.0         | ED703798    |
|                    | SPOOL     | 7.3         | ED704105    |
| 1,6                | SPOOL     | 7.0         | ED703800    |

## 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](http://www.lincolnelectric.eu) for any updated information.