# SuperGlaze® TIG 5356

## TOP FEATURES

- Aluminium-magnesium alloy for use on many weldable cast and wrought aluminium alloys
- Excellent for color matching after anodizing
- Alloy embossed on each rod for easy identification
- General purpose filler alloy for 5XXX and 6XXX series alloys
- High strength filler metal

## TYPICAL APPLICATIONS

- Architectural structures
- Armoured vehicles
- Gun mount bases

## CLASSIFICATION

| | |
|---|---|
| AWS A5.10 | R5356 |
| EN ISO 18273 | S Al 5356 (AlMg5Cr(A)) |

## APPROVALS

ABS, 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 | Cr | Zn | Ti | Be |
|---|---|---|---|---|---|---|---|---|---|
| bal. | 0.06 | 0.09 | 0.02 | 0.12 | 4.84 | 0.12 | 0.001 | 0.09 | 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 | 110-120 | 240-296 | 17-26 |

AW = As welded

## AVAILABLE SIZES AND PACKAGING INFORMATION

| Diameter x Length (mm) | Packaging | Weight (kg) | Item number |
|---|---|---|---|
| 1.6 | CARTON BOX | 5.0 | ED701966 |
| 2.0 | CARTON BOX | 5.0 | ED702518 |
| 2.4 | CARTON BOX | 5.0 | ED702387 |
| 3.2 | CARTON BOX | 5.0 | ED701967 |

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.