# SuperGlaze® MIG 4043

## TOP FEATURES

- Designed for welding heat-treatable base alloys and more specifically the 6XXX series alloys.
- Lower melting point and more fluidity than the 5XXX series filler alloys.
- Low sensitivity to weld cracking with the 6XXX series base alloys.

## TYPICAL APPLICATIONS

- For welding 6XXX alloys, and most casting alloys
- Automotive components such as frame and drive shafts
- Bicycle frames

## CLASSIFICATION

| | |
|---|---|
| AWS A5.10 | ER4043 |
| EN ISO 18273 | S Al 4043 (AlSi5) |

## 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

| TÜV | DB | CE |
|---|---|---|
| + | + | + |

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

| Al | Si | Fe | Cu | Mn | Mg | Zn | Ti | Be |
|---|---|---|---|---|---|---|---|---|
| bal. | 5.26 | 0.15 | 0.01 | 0.01 | 0.03 | 0.001 | 0.01 | <0.0002 |

## 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

| Wire diameter (mm) | Packaging | Weight (kg) | Item number |
|---|---|---|---|
| 1.0 | SPOOL | 7.0 | ED701753 |
| | SPOOL | 7.3 | ED702747 |
| 1.2 | SPOOL | 7.0 | ED701754 |
| | SPOOL | 7.3 | ED702748 |
| | DRUM | 136.0 | ED036610 |
| 1.6 | SPOOL | 7.0 | ED701755 |
| | DRUM | 136.0 | ED036611 |

## 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.