

Solid wire for gas-shielded MIG welding of aluminium-magnesium alloys up to 7% silicon concentration. It is commonly used for cast-alloy repairs.

Classification

AWS 5.10 : ER 4043
EN ISO 18273 : S Al 4043 (AlSi5)
DIN 1732 : SG-AlSi5

Applications

- Cast-alloy repairs.
- Automotive.

Benefits

- Excellent weld-bead aesthetics.
- Good thermal conductivity of the filler metal.
- Very smooth free-flowing weld pool.

Polarity

DC +

Chemical properties

| | |
|------|------|
| Al % | Si % |
| Base | 5.00 |

Mechanical properties

| | | | |
|---------|---------|-------|---------|
| Re | Rm | A 5 d | KV 20°C |
| 100 Mpa | 160 Mpa | 15 % | 20 J |

Recommandations

Gas protection compliant with EN ISO 14175
100% Argon (l1) : 14 - 24 l/min.

Approval



TÜV, DB, UDT



S100

S200

Packaging

| weight (kg) | Wire reel type | | Wire diameter (mm) | | | |
|-------------|--|---|--------------------|--------|--------|--------|
| |  |  | Ø 0.6 | Ø 0.8 | Ø 1.0 | Ø 1.2 |
| 0.5 | S100 | — | — | 086685 | — | — |
| 2 | S200 | — | — | — | 086142 | 086159 |