



Solid Mig /Tig welding wire

Ceweld AlMg5

Designation: AA 5356; UNI S - Al Mg 5; BS 2901 Pt. 4 5356; AFNOR AG 5; DIN S Al Mg 5

Description: Mig /Tig filler metal for welding Aluminium alloys with maximum 5% Magnesium. This Magnesium alloyed Aluminium, thanks to its excellent corrosion resistance and its high mechanical properties is mainly used in ship yards, car and railway industry.

Chemical composition [%]:

| Si | Fe | Cu | Mn | Mg | Cr | Zn | Ti | Be | others | Al |
|-----|-----|-----|--------|---------|----------|-----|-----------|--------|--------|------|
| 0,2 | 0,4 | 0,1 | 0,05-2 | 4,5-5,5 | 0,05-0,2 | 0,1 | 0,06-0,12 | 0,0008 | 0,15 | rest |

Note: maximum value if not specified

Mechanical properties:

| R _m [N/mm ²] | R _p 0,2 [N/mm ²] | A [%] | T _f [°C] |
|-------------------------------------|---|---------|---------------------|
| 275 - 315 | 115 - 140 | 25 - 35 | 562 - 633 |

Note: mechanical properties of continuous cast redraw rod

Operating conditions:

| Current type | | Gas flow rate | Gas type |
|--------------|--------|----------------|---------------------------|
| DC(+) Mig | AC Tig | 10 – 20 l/min. | Argon 4.8/5.0/5.3/5.6/6.0 |

Sizes: Mig: 0,8 mm, 1,0 mm, 1,2 mm, 1,6 mm
Tig: 1,6 mm, 2,0 mm, 2,4 mm, 3,2 mm, 4,0 mm

Package: D-100, D-200, K-300, D-300, Drums