



CEWELD AlMg 5

TYPE Mig filler metal for welding Aluminium Magnesium alloys.

ANWENDUNGEN Filler metal for welding Aluminium alloys with maximum 5% Magnesium. This Magnesium alloyed Aluminium wire, thanks to its excellent corrosion resistance and its high mechanical properties is mainly used in ship yards, car and railway industry. Thicker sections should be preheated (150°C) prior to welding.

EIGENSCHAFTEN Excellent weldability and good mechanical strength combined with good corrosion resistance are typical for this alloy. The weld deposit is free from porosity due to the special shaving process and cleaning method during production. AlMg5 is one of the most popular types within the range of aluminum alloys and covers a weight range of alloys.

KLASSIFIKATION

| | |
|--------|-------------------------------|
| AWS | A 5.10: ER5356 |
| EN ISO | 18273: S Al 5356 (AlMg5Cr(A)) |
| W.Nr. | 3.3556 |
| F-nr | 22 |

GEEIGNET FÜR **Aluminium alloys:**
 AlMg3, AlMg4, AlMg5, AlMgSi1, AlMgSi0,5,AlMgMn, AlZnMg1, G-AlMg3Si, G-AlMg5Si, G-AlMg10, AlMg1SiCu, AlMgSi0,7, AlZn4,5Mg1, AlZnMg4,5Mn ,AlZn5,5Mg1, AlSi1MgMn, AlSiMg(A), AlMg 1 3.3315, 3.3545, 3.3206, 3.3210, 3.2315, 3.3211, 3.4335, 3.3535, 3.3555, EN AW 5086, EN AW 6060, EN AW 6005A, EN AW , EN AW 6061, EN AW 7020, EN AC 51400, EN AC 51300, EN AC 51100, EN AW 5454

ZULASSUNGEN CE

SCHWEISSPOSITIONEN



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

| Si | Mn | Cr | Ti | Al | Mg |
|-----|-----|-----|-----|------|----|
| 0.2 | 0.1 | 0.1 | 0.1 | Rem. | 5 |

MECHANISCHE GÜTEWERTE

| Heat Treatment | R _{p0,2} (MPa) | R _m (MPa) | A ₅ (%) | Hardness |
|----------------|-------------------------|----------------------|--------------------|----------|
| As Welded | 130 | 280 | 25 | HRc |

RÜCKTROCKNUNG Not required

GAS ACC. EN ISO 14175 I1, I3



CEWELD ALMg 5

ALMG 5 0,8MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| D-100 | 0,5 | 8720663406866 |
| D-200 | 2 | 8720663406873 |
| D-300 | 6 | 8720663406859 |

ALMG 5 1,0MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| D-100 | 0,5 | 8720663406903 |
| D-200 | 2 | 8720663406910 |
| D-300 | 7 | 8720663406897 |
| Drum | 80 | 8720663406880 |

ALMG 5 1,2MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| D-100 | 0,5 | 8720663406927 |
| D-200 | 2 | 8720663406934 |
| D-300 | 7 | 8720663406989 |

ALMG 5 1,6MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| D-300 | 7 | 8720663406941 |

ALMG 5 2,0MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| BS-300 | 7 | 8720663406958 |

ALMG 5 2,4MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| D-300 | 7 | 8720663406965 |