



MIG ALG4Z2

Old reference: MIG AlMg4Z2

Classification

ISO 18273 : Al Z (AlMg4Zn2)

Description & Applications

Solid wire for GMAW used to weld Aluminium-Magnesium alloys like AZ5G.

Main applications: Used in nuclear industry and for armament

Typical Chemical Composition (%)

| Si | Fe | Cu | Mn | Mg | Zn | Cr | Ti | Al |
|------|-----|-------|-----|-----|-----|------|------|------|
| 0.05 | 0.1 | 0.003 | 0.4 | 4.0 | 2.0 | 0.09 | 0.01 | Rem. |

All Weld Metal Mechanical Properties

| $R_{p0.2}$ (MPa) | R_m (MPa) | A_5 (%) |
|--------------------|---------------|-------------|
|--------------------|---------------|-------------|

Welding Current & Instructions

| Welding mode | Wire Ø (mm) | Welding parameters | | Shielding Gas |
|--------------|-------------|--------------------|-----|--------------------|
| | | Pulsed arc (A) | (V) | |
| MIG = + | | | | Ar/He: 18-20 l/min |

Ind.10



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