

TECHNICAL SHEET

AlMg5



Product name

AlMg5

Class of product

Al-Mg alloy for MIG/TIG welding.

Corresponding standards

DIN 1732 SG-AlMg5

AWS A5.10 ER 5356

Nominal composition (weight %)

Al: Bal.

Si: 0,2

Mg: 5

Mn: 0,05 - 2

Physical and mechanical properties

Tensile Strength: $R_m = 275 - 315 \text{ N/mm}^2$

Yield Strength: $R_{p0,2} = 115 / 140 \text{ N/mm}^2$

Melting range: $562 - 633 \text{ }^\circ\text{C}$

Range of application:

Al-Mg alloy for MIG/TIG welding of Al-Mg, Al-Mn, Al-Mg-Si and Al-Zn-Mg alloys with Mg content up to 5%. Good tensile strength, ductility and shear strength in the as welded condition. Very good corrosion resistance, especially in sea water. Thanks to its high mechanical properties and excellent corrosion resistance, AlMg5 finds numerous applications in shipbuilding, as well as in automotive and railway industries.

Characteristics Make-up:

Rods & Wires

The above data are subject to change without notice by Spring.

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