

ALUROD AIMg5

TIG Rods Aluminum alloys

Alurod AIMg5 is a TIG rod for the welding of aluminium and aluminium alloys with a magnesium content up to 5%. Suitable for welding of all commercial aluminium alloys. Good mechanical properties and high resistance to corrosion including marine corrosion.

Classification	
AWS	A5.10: ER 5356
EN ISO	18273: S Al 5356

Approvals	Grades
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Analysis of all-weld metal (Typical values in %)

C	Mn	Si	P	S	Cr	Zn	Ti	Mg	Fe	Cu	Al
-	0.10	0.20	-	-	0.10	-	0.10	5	0.30	0.10	Rem

All-weld metal Mechanical Properties

Heat Treatment	Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation A5 (%)	Impact Energy ISO - V (J)	Hardness
As Welded	≥ 110	≥ 240	≥ 17	-	-

Gas test: Acc. To EN 439: I1(Arcal1)

Shielding Gas: Acc. To EN 439: I1(Arcal1)

Materials

Al Mg 1SiCu, Al Mg Si 0,7;

Al Mg 3, Al Mg 5, Al Zn 4,5 Mg 1;

G-Al Mg 3Si; G-Al Mg 5Si

Storage

Keep dry and avoid condensation

Current condition and welding position

AC					
					
PA	PB	PC	PF	PE	PF2

Packaging data: Box 5 kg

Diameters (L: 1000 mm)	1,6	2,0	2,4	3,2	4,0
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Further forms of delivery on request.