

ALUFIL AIMg 5

MIG-MAG Wires Aluminum alloys

Alufil AIMg5 is a solid wire for the MIG welding of aluminium and aluminium alloys with a magnesium content up to 5%. Suitable for welding of all commercial aluminium alloys, also in structural work. 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
DB	
LRS	
TÜV	

see Appendix, Classification Society Approvals, for details pag. 521

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

3.3556

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

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

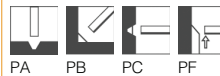
G-Al Mg 3Si; G-Al Mg 5Si

Storage

Keep dry and avoid condensation

Current condition and welding position

DC+



Packaging data: BS300 Kg. 7

Diameters	0,8	1,0	1,2	1,6		