

ALUFIL AlMg 4,5 Mn

MIG-MAG Wires Aluminum alloys

Alufil AlMg 4,5 Mn is an aluminium alloy solid wire suitable for welding aluminium and magnesium alloys with 5% max of Mg. Zirconium promotes grain refinement and increases the mechanical properties and corrosion characteristics.

Classification	
AWS	A5.10: ER 5183
EN ISO	18273: S Al 5183

Approvals	Grades
DB	
GL	
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
-	0.80	0.30	-	-	0.10	-	0.10	4.50	0.10	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	≥ 125	≥ 275	≥ 17	-	-

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

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

Materials

3.3548

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

G-Al Mg 3 Si; G-Al Mg 5 Si; G-Al Mg 10;

Storage

Keep dry and avoid condensation

Current condition and welding position

DC+



Packaging data: BS300 Kg. 7

Diameters	1,0	1,2	1,6			
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