

ALUFIL AIMg5 is a 5356 type aluminum solid MIG welding wire, supplied precision layer wound, depositing Al-5Mg weld metal. Suitable for use with Ar, or Ar+He mixed shielding gases.

ALUFIL AIMg5 is used for the welding of Al-Mg alloys and Al-Mg-Zn alloys. The wire is also suitable for the welding of dissimilar aluminium alloy grades containing up to 5%Mg and components which are to be subsequently anodised.

ALUFIL AIMg5 is the most popular Al welding wire, because of its high yield strength and high resistance to corrosion, including seawater.

Classification	
EN ISO	18273: S Al 5356 (AlMg5Cr(A))
AWS	A5.10: ER 5356

Approvals	Grade
DB	●
TÜV	●

CE

Chemical analysis (Typical values in %)

Al	Si	Mn	Mg	Cr	Ti	Cu	Fe
Rem	0.2	0.1	5	0.1	0.1	0.1	0.3

All-weld metal Mechanical Properties

Heat Treatment	Yield Strength (MPa)	Tensile Strength (MPa)	Elongation A5 (%)
As Welded	≥110	≥240	≥17

Gas test: 70% Ar+30% He

Shielding Gas - EN ISO 14175 : I1, I3

Materials

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

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

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

Storage

Keep dry and avoid condensation

Current condition and welding position

DC+



Packaging data

Packaging Type	BS300	S200	S300
Diam(mm) / weight(kg)	7	2	6
1.0	●	●	●
1.2	●	●	●
1.6	●	●	●
0.8		●	