

FILALU AIMg3

MIG/MAG solid wires-TIG rods

Aluminum alloys

FILALU AIMg3 is a 5754 type aluminum solid MIG welding wire, supplied precision layer wound, depositing Al-3Mg weld metal. Suitable for use with Ar, or Ar+He mixed shielding gases.

FILALU AIMg3 is used for welding of 3% Mg-content aluminum.

The weld has higher strength comparing with Si-alloyed Al welding wires. Good corrosion resistance.



Classification

EN ISO 18273: S Al 5754 (AIMg3)

Chemical analysis (Typical values in %)

Al	Si	Mn	Mg	Cr	Ti	Cu	Fe
Rem	0.2	0.1	3	0.1	0.1	0.1	0.3

All-weld metal Mechanical Properties

Heat Treatment	Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Elongation A5 (%)
As Welded	≥80	≥190	≥20

Gas test: 70% Ar+30% He

Shielding Gas - EN ISO 14175 : I1, I3

Materials

G-AIMg3Si, AIMg1, AIMg2.5, AIMg2Mn0.3, AIMg3, G-AIMg3

Storage

Keep dry and avoid condensation.

Current condition and welding position

DC+



Packaging data

Packaging Type	BS300
Diam(mm) / weight(kg)	7
1.0	●
1.2	●
1.6	●

FILALU AIMg5

MIG/MAG solid wires-TIG rods

Aluminum alloys

FILALU 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.

FILALU 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.

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

Solid wire that deposits an alloy with 5% Mg. Suitable for welding Peraluman 3.5 and 5 and Anticorodal 11 alloys.



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

Approvals	
DB	RINA
●	WC

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 (N/mm ²)	Tensile Strength (N/mm ²)	Elongation A5 (%)
As Welded	≥110	≥240	≥17

Gas test: 70% Ar+30% He

Shielding Gas - EN ISO 14175 : I1, I3

Materials








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

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

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

Storage

Keep dry and avoid condensation

Current condition and welding position						
DC+						
						
PA	PB	PC	PD	PE	PF	PG

Packaging data

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