

ALUFIL 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.

ALUFIL 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 (AlMg3)
AWS	A5.10: ER 5754

### 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 (MPa)	Tensile Strength (MPa)	Elongation A5 (%)
As Welded	≥80	≥190	≥20

Gas test: 70% Ar+30% He

### Shielding Gas - EN ISO 14175 : I1, I3

### Materials

G-AlMg3Si, AlMg1, AlMg2.5, AlMg2Mn0.3, AlMg3, G-AlMg3

### Storage

Keep dry and avoid condensation.

### Current condition and welding position

DC+



### Packaging data

Packaging Type	BS300
Diam(mm) / weight(kg)	7
1.0	W000283192
1.2	W000283193
1.6	W000283194