

ALUFIL AISi5 is a 4043 type aluminum solid MIG welding wire, supplied precision layer wound, depositing Al-5Si weld metal. Suitable for use with Ar, or Ar+He mixed shielding gases.

ALUFIL AISi5 is used for welding of aluminium and aluminium alloys with a silicon content up to 7% in both wrought and cast form. Suitable for Al-Mg-Si alloys series 6000 and for dissimilar welding such as 6000/1000 or 6000/3000.

Due to its Si-alloying the weld pool is readily controllable. The weld is not sensitive for cracking and the surface is bright.

Classification	
EN ISO	18273: S Al 4043 (AISi5)
AWS	A5.10: ER 4043

Approvals	Grade
DB	●



### Chemical analysis (Typical values in %)

Al	Si	Ti	Cu	Fe
Rem	5	≤ 0.2	≤ 0.3	≤ 0.8

### All-weld metal Mechanical Properties

Heat Treatment	Yield Strength (MPa)	Tensile Strength (MPa)	Elongation A5 (%)
As Welded	≥40	≥120	≥8

Gas test: 70% Ar+30% He








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

### Materials

AlMgSi0.5, AlMgSi0.7, AlMgSi1

AlSi- and AlSiMg-alloys with max. 7% Si

Storage
Keep dry and avoid condensation

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

### Packaging data

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