

ALUROD AISi5 is a 4043 type aluminum solid TIG welding rod depositing Al-5Si weld metal. Suitable for use with Ar, or Ar+He mixed shielding gases.

ALUROD 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 joining, e.g. 6000/1000 or 6000/3000.

The weld pool is easy to manipulate due to the Si-alloying. The weld metal is not sensitive to cracking and the weld deposit 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	0.4

All-weld metal Mechanical Properties

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

Gas test: 100% Ar

Shielding Gas - EN ISO 14175 : I1

Materials

AlMgSi0.5, AlMgSi0.7, AlMgSi1

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

Storage

Keep dry and avoid condensation

Current condition and welding position

AC



Packaging data

Diam. (mm)	Packaging Type	Weight (kg)	Code
2.4	TUB	5	●
3.2	TUB	5	●
4.0	TUB	5	●
4.0	TUB	5	●