

Standards

TS EN ISO 18273	: S Al 4043 (AISI5)
EN ISO 18273	: S Al 4043 (AISI5)
AWS A5.10	: ER 4043

Chemical Composition of Welding Wire % (Typical)

Si	Mn	Al	Fe
5.0	0.03	rest	0.5

Mechanical Properties

Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Elongation (L ₀ =5d ₀) (%)	Working Temperature (°C)
110	150	15	575 - 633

Typical Base Material Grades

- AlMgSi 0.5, AlMg1SiCu, AlMgSi 1, AlZn4.5Mg 1, Al 99.5, Al 99, AlCuMg 1, AlMgSi 0.7, AlMgSi 0.8, AlMgSiCu, AlMn 1, G-AISI 6 Cu 4

Features and Applications

- It is Al-Si welding MIG wire
- Application range is joining of cast aluminum parts and aluminum profiles, motor blocks.
- Material range is AlMgSi 0.5, AlMgSiCu, Al99.5 etc
- It is recommended that preheating to 105°C before welding of plates thicker than 10 mm
- Required use of Ar, He or Ar+He gas as shielding gas

Welding Positions

Current Type

MIG D.C. (+)

Operating Data

Product Code	Diameter (mm) / (inch)		Package Weight (Kg)
6011100292	0.8	0.030"	5
6011100293	1.0	0.040"	7
6011100294	1.2	0.047"	7
6011100295	1.6	0.062"	7