

CLASSIFICATIONS

EN ISO 18273 : S AI 4043 (AISI5)

AWS A5.10 : ER 4043

DESCRIPTION

- 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

CHEMICAL ANALYSIS OF WELD METAL % (TYPICAL)

Si: 5.0 | Mn: 0.03 | Al: rest | Fe: 0.5

MECHANICAL PROPERTIES

Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (Lo=5do) (%)	Working Temperature (°C)
110	150	15	575 - 633

BASE MATERIALS

- 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

WELDING POSITIONS



CURRENT CONDITION

MIG D.C. (+)

OPERATING DATA

Product Code	Diameter x Length (mm) / (inch)		Package Weight (Kg)
1011100081	0.8	0.030"	5
1011100082	1.0	0.040"	7
1011100083	1.2	0.047"	7
1011100084	1.6	0.062"	7