

Standards :

**Chemical Composition of Welding Wire
% (Typical) :**

TS 6204 EN ISO 18273	: S Al 4043(AlSi5)
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AWS A5.10	: ER-4043

Si	Mn	Al	Fe
5.0	<0.05	rest	<0.8

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-AlSi 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.
- * Required use of Ar, He or Ar+He gas as shielding gas.

Welding Positions :



Current Type :

MIG D.C.(+)

Operating Data :

Diameter x Length (mm)	Diameter x Length (inch)	Package Weight (Kg)
0.8	0.030"	5
1.0	0.040"	7
1.2	0.047"	7
1.6	0.062"	7

Approvals :

GOST-R, SEPRO