AlMg 5

Standards

TS EN ISO 18273	: S Al 5356 (AlMg5Cr(A))
EN ISO 18273	: S Al 5356 (AlMg5Cr(A))
AWS A5.10	: ER 5356

Chemical Composition of Welding Wire % (Typical)

Mg	Mn	Si	Fe	Al
5.0	0.3	<0.25	<0.40	rest

Mechanical Properties

Yield Strength (N/mm^2)	Tensile Strength (N/mm^2)	Elongation ($(L_o=5d_o)$ (%))	Working Temperature (°C)
180	260	20	575 - 633

Typical Base Material Grades

- AlMg 5, AlMg 4.5, G-AlMg 5, G-AlMg 10, AlMgSi 1, G-AlMg 3(Cu), AlMg 2.5Mn, AlMg 2 Mn 0.8, AlMg 3, AlMg 3 Si, G-Almg 3, AlMg 4.5 Mn, G-AlMg 3 Si, AlMg Si 0.5, AlMgSi 0.7, AlMgSi 0.8, AlMgSi 0.8, AlMgSi 1 Cu, AlZn 4.5 Mg 1.

Features and Applications

- It is used for joining aluminum alloys includes over 3 % Mg. Resistance to sea water
- Application field is cup and boilers, columns, marine applications
- Required use of Ar, He or Ar+He gas as shielding gas
- It is recommended that preheating to 150°C before welding of plates thicker than 10mm

Welding Positions

Current Type

MIG D.C.(+)

Operating Data

Product Code	Diameter (mm)	Diameter (inch)	Package Weight (Kg)
6011100277	0.80	0.030”	5
6011100278	1.00	0.040”	7
6011100279	1.20	0.047”	7
6011100058	1.60	0.062”	7

Approvals: SEPRO, CE