

CLASSIFICATIONS

EN ISO 18273 : S AI 5183(AIMg4.5Mn0.7A)

AWS A5.10 : ER 5183

DESCRIPTION

- It is used in welding exposed to sea water aluminum parts, high strength aluminum alloys work in low temperatures (-196°C)

CHEMICAL ANALYSIS OF WELD METAL % (TYPICAL)

Mg: 5.0 | Mn: 0.8 | Si: <0.40 | Fe: <0.40 | Al: rest | Cr: 0.20

MECHANICAL PROPERTIES

Yield Strength (MPa)	Tensile Strength (MPa)	Elongation ($L_0=5d_0$) (%)	Working Temperature (°C)
170	250	20	574 - 638

BASE MATERIALS

- AlMg 2.7 Mn, AlMg 3, AlMg 4.5 Mn, AlMg 4 Mn, AlMg 5, AlMgSi 0.5, AlMgSi, 0.7, AlMgSi 0.8, AlMgSi 1, AlMgSi 1 Cu, AlZn 4.5 Mg 1, AlZMgCu 1.5, AlZnMgCu 0.5, G-AlMg 5 Si, G-AlMg 3, G-AlMg 5.

WELDING POSITIONS



CURRENT CONDITION

MIG D.C. (+)

OPERATING DATA

Product Code	Diameter x Length (mm) / (inch)		Package Weight (Kg)
1011100095	1.00	0.040"	7
1011100096	1.20	0.047"	7