

Standards

TS EN ISO 18273	: S Al 5183(AlMg4.5Mn0.7A)
EN ISO 18273	: S Al 5183(AlMg4.5Mn0.7A)
AWS A5.10	: ER 5183

Chemical Composition of Welding Wire % (Typical)

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

Mechanical Properties

Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Elongation ((L ₀ =5d ₀) (%))	Working Temperature (°C)
170	250	20	574 - 638

Typical Base Material Grades

- 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.

Features and Applications

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

Welding Positions



Current Type

MIG D.C. (+)

Operating Data

Product Code	Diameter (mm) / (inch)		Package Weight (Kg)
6011100275	1.00	0.040"	7
6011100276	1.20	0.047"	7