

Standards

TS EN ISO 18273	: SAI 5183(AlMg4.5Mn0.7A)
EN ISO18273	: SAI 5183(AlMg4.5Mn0.7A)
AWS A5.10	: ER 5183

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

Al	Si	Fe	Mn	Mg	Cr
rest	<0.4	<0.4	0.8	5.0	0.2

Mechanical Properties

Densitt (kg/dm ³)	Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Elongation ((L ₀ =5d ₀) (%))	Melting Range (°C)	Hardness (HB)
2.6	170	250	20	575 - 585	45

Features and Applications

- AlMg4.5Mn is Magnesium alloyed Aluminum TIG rod
- It is used for joining of Aluminum alloys including more than 3% Mg
- The weld deposit has a good resistance to atmospheric influences and sea water
- It is recommended that preheating to 150 °C before welding of plates thicker than 15mm
- For gas welding, GeKaTec F-LH1 is recommended
- Shielding gas: Ar

Welding Method

TIG Welding - Gas Welding

Welding Positions

Current Type

TIG A.C.

Operating Data

Product Code	Diameter x Length (mm) / (inch)		Package Weight (Kg)
6011100284	2.0 x 1000	5/64 x 39"	5
6011100393	2.4 x 1000	3/32 x 39"	5
6011100285	3.2 x 1000	1/8 x 39"	5

Approvals: SEPRO, CE