

Standards :
**Chemical Composition of Welding Rod
% (Typical) :**

TS 6204 EN ISO 18273	:	SAI 5183(AlMg4.5Mn0.7A)
EN ISO 18273	:	SAI 5183(AlMg4.5Mn0.7A)
AWS A5.10	:	ER 5183

Al	Si	Fe	Mn	Mg	Cr
rest	max. 0.4	max. 0.4	0.8	5.0	0.2

Mechanical Properties :

Density (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 D.C.(-)

Operating Data :

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

Approvals :

GOST-R, SEPRO