

Wire type:

TIG Solid wire

Current:



Welding positions:



Shielding gas:

I1 = Pure Ar

AL Mg 5 is our aluminium wire for TIG welding forged and cast aluminium-manganese and aluminium-magnesium alloys with a maximum of 5% Mg content. Typical applications include shipbuilding, tankbuilding railway and car industry. To be used in combination with tungsten electrodes type WP.

Base materials to be welded:

- Aluminium-manganese alloys
- Aluminium-magnesium alloys
- Aluminium-MgSi alloys
- Similar aluminium alloys

Applications:

- Shipbuilding & Offshore
- Power Generation
- General fabrication & construction
- Transport & Lifting Industry

Equivalent product in alternative welding process:

SMAW	GMAW	FCAW	GTAW	SAW	Gas welding / brazing
-	AL Mg 5	-	-	-	-

Chemical composition, wt.% weld metal – typical:

C	Mn	Si	S	P	Cr	Mg	Fe	Cu	Ti	Zn	Al
	0,40				0,15	5,0			< 0,15		Bal.

Mechanical properties, weld metal – typical:

Condition	0,2% Yield strength MPa	Tensile strength MPa	Elongation Lo=5d - %	Physical properties	
As welded	≥ 110	≥ 240	≥ 17	Melting range 562-633°C	Density ~2640 kg/mm ³

Note: electrical conductivity 14-19 Sm/mm²

Packaging data:

Dia. mm.	Length mm.	Weight / package kg.
2,0	1000	5
2,4	1000	5
3,2	1000	5