

MIGWELD AlMg5

MIG/MAG Wires [GMAW]

Aluminium alloys

CLASSIFICATION: EN ISO 18273-A : S AL5356 DIN 1732 : SG AlMg5 AWS A-5.10 : ER 5356 W.Nr. : 3.3356	APPROVALS:	APPLICATION: Shipbuilding&Offshore Automobile
--	-------------------	--

- Solid aluminum welding wire for alloys containing up to 5% magnesium.
- Good resistance to atmospheric corrosion in marine environments.
- Above-average abrasion resistance of the weld metal.

Application

Construction works in shipbuilding, railway and automotive industries; construction of tanks

Base material

DIN 1725-1/2	W.Nr.	Int.Reg.Nr.	
AlMg3	3.3535	5754	
AlMg4,5	3.3345	5082	
AlMg5	3.3555	5056A	
AlMg2Mn0,8	3.3527	5049	
AlMg2,7Mn	3.3537	5454	
AlMg4Mn	3.3545	5086	
AlZn4,5Mg1	3.4335	7020	
G-AlMg3	3.3541		
G-AlMg3Si	3.3241	512.0	
G-AlMg5	3.3561	B535.0	
G-AlMg5Si	3.3261		
AlMgSi	3.3206	6060	
AlMg1SiCu	3.3211	6061	
AlMgSi07	3.3210	6005A	
AlSi1MgMn	3.2315	6082	

Typical chemical composition %

Mn	Cr	Fe	Al	Inne
0,14	0,13	0,11	rest	Mg 4,87

Typical mechanical properties

Yield strength Re [N/mm2]	110
Tensile strength Rm [N/mm2]	240
Elongation A5 [%]	17
Hardness	65[HBW] /
Wire/rod type	solid
Heat treatment	Thicker elements should be heated to 150 [°C]
Welding current	

Welding positions**Shielding gases acc. to EN ISO 14175**

I1 - Ar / I3 - Ar + >0-95% He /

Welding parameters and packing

∅	Welding current [A]	Weight of packet [kg]
0,8	40-150	2,0/7,0
1,0	70-180	2,0/7,0
1,2	80-220	2,0/7,0

METALWELD-FIPROM POLSKA spółka z o.o.

ul. Mikołajczyka 57, 41-200 Sosnowiec

+48 (32) 297 75 50 - 51

+48 (32) 297 75 88

export@metalweld.pl