

MIGWELD AISi5

MIG/MAG Wires [GMAW]

Aluminium alloys

CLASSIFICATION: EN ISO 18273-A : S AL4043 DIN 1732 : SG AISi5 AWS A-5.10 : ER 4043 W.Nr. : 3.2245	APPROVALS:	APPLICATION: Shipbuilding&Offshore Automobile
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- Welding wire for aluminum alloys with a maximum silicon content of 5%.
- Suitable for welding Al-Si 2-7% alloys and Al-Mg-Si alloys.
- Excellent welding properties due to high Si content.
- Excellent resistance to atmospheric oxidation.

Application

Construction works, incl. architectural applications, repair of truck bodies, tanks and castings.



Base material

DIN 1725-1/2	W.Nr.	Int.Reg./Cast. Nr
AlMgSi0,5	3.3206	6060
AlMgSi0,7	3.3210	6005A
AlMgSi0,8	3.2316	6181
G-AISi5		443.0
AlSi1MgMn	3.2315	6082
AlMg1SiCu	3.3211	6061

Typical chemical composition %

Si	Fe	Al
5,00	0,10	rest

Typical mechanical properties

Tensile strength Rm [N/mm2]	170
Elongation A5 [%]	18
Hardness	app. 77 HB /
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 /
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Welding parameters and packing

∅	Welding current [A]	Weight of packet [kg]
0,8	30-130	2,0/7,0

1,0	60-160	2,0/7,0
1,2	70-200	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