

TIGWELD AISi5

TIG Rods [GTAW]

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
--	-------------------	--

- 5% Si alloy aluminum TIG rod.
- 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	Al
5,00	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 /

Welding parameters and packing

∅	Length [mm]	Weight of packet [kg]
1,6	1000 /	2,5

2,0	1000 /	2,5
2,4	1000 /	2,5

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