



TIG ALG5

Old reference: TIG AlMg5

Classification

AWS A5.10 : ER5356
ISO 18273 : S Al 5356 (AlMg5Cr)

Material N° : 3.3556

Description & Applications

Solid rod for TIG welding of Aluminium alloys with more than 3% Mg, up to 5 % of Mg. Very often used in marine construction for their excellent resistance to salt water corrosion and for their very good mechanical characteristics, but also in the railway sector for the welding of wagons to transport phosphate, and also in the road sector for trucks and tractors.

Base materials:

DIN	:	Al Mg5; Al Mg4, 5
Material N°	:	3.3555; 3.3345
Alloy	:	5056; 5083; 5086; 5454; 5754; 6005A

Typical Chemical Composition (%)

Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr	Al
0.05	0.13	0.002	0.15	4.8	0.01	0.13	0.1	Rem.

All Weld Metal Mechanical Properties

R _{p0.2} (MPa)	R _m (MPa)	A ₅ (%)
120	280	30

Welding Current & Instructions

Welding mode	Shielding Gas
TIG ~	Ar : 5-10 l/min Argon / He : 5-10 l/min

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