



TIG ALG4M

Old reference: TIG AlMg4.5Mn

Classification

AWS A5.10 : ER5183
 ISO 18273 : S Al 5183 (AlMg4.5Mn0.7)

Material N° : 3.3548

Description & Applications

Solid rod for gas protected welding of Aluminium-Magnesium alloys of similar composition. The deposit shows due to the addition of Mn superior mechanical resistance compared to Al Mg 5.

Base materials:

High strength Aluminium alloys:

DIN	:	AlMg4.5Mn; AlMg4Mn; AlZnMgCu1.5
Alloy	:	5083; 5086; 5454; 5754; 7020
Material N°	:	3.3547; 3.3545; 3.4365

Typical Chemical Composition (%)

Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr	Al
0.1	0.15	0.02	0.7	4.8	0.02	0.10	0.1	Rem.

All Weld Metal Mechanical Properties

R _{p0.2} (MPa)	R _m (MPa)	A ₅ (%)
130	310	30

Welding Current & Instructions

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

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