



MIG ALG5M

Old reference: MIG AlMg5Mn

Classification

AWS A5.10 : ER5556A

ISO 18273 : S Al 5556A (AlMg5Mn1 (A))

Description & Applications

Solid wire for GMAW of similar Aluminium alloy AG5MC. High mechanical characteristic.

Main applications: For diverse construction such as armament to boiler-making.

Typical Chemical Composition (%)

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Be	O/E	O/T	Al
Min				0.60	5.0	0.05		0.05				
Max	0.25	0.40	0.10	1.0	5.5	0.20	0.20	0.20	0.0003	0.05	0.15	Rem.
Type	0.20	0.40	0.01	0.70	5.2	0.10	0.02	0.10	0.0001	<0.05	<0.15	Rem.

All Weld Metal Mechanical Properties

	R _{p0.2} (MPa)	R _m (MPa)	A ₅ (%)
Min	-	-	-
Max			
Type	145	295	25

Welding Current & Instructions

Welding mode	Wire Ø (mm)	Welding parameters		Shielding Gas
		Current (A)	Voltage (V)	
GMAW = + / Pulsed	1.0	100-150	18-22	ISO 14175: I1 (100% Ar) I3 (Ar+ 5-30%He) 15-20L/min
	1.2	130-200	18-25	
	1.6	170-260	20-27	

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Fumes: Consult information on MSDS, available upon request.

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