



MIG ALG4Z2

Old reference: MIG AlMg4Z2

Classification

ISO 18273 : S Al Z (AlMg4Zn2)

Description & Applications

Solid wire for GMAW of Aluminium alloy like AZ5G, 7020.

Main applications: Nuclear plant and armament.

Typical Chemical Composition (%)

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
Min									
Max									
Type	0.05	0.10	0.003	0.40	4.0	0.10	2.0	0.10	Rem.

All Weld Metal Mechanical Properties

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

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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