

ER5356 TIG

TIG Solid Welding Rods



AWS A5.10: ER 5356

EN ISO 18273: S Al 5356 (AlMg5Cr(A))

APPROVALS:

DESCRIPTION

Aluminium rods for welding alloys with aluminium and magnesium basis, with maximum 5% Magnesium. High corrosion resistance.

Applications in the construction of ships, storage tanks, railways and in the automotive industry.

APPLICATIONS

- General fabrication & construction (aluminium base metals)
- Shipbuilding & Offshore
- Power Generation
- Transport & Lifting Industry

MATERIALS TO BE WELDED

- Aluminium-manganese alloys
- Aluminium-magnesium alloys
- Aluminium-MgSi alloys
- Similar aluminium alloys

SHIELDING GAS

I1, I2, I3

POLARITY

DC+

AVAILABLE DIAMETERS

1.6mm, 2.0mm, 2.4mm, 3.0mm, 4.0mm, 5.0mm

PACKAGING

Plastic Box - 5kg, Length: 1000mm

STORAGE

Stored in a dry, enclosed environment, in its original undamaged packaging

DEPOSITED METAL ANALYSIS (WT%)

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Al	remainder	Cu	<0,10	Zn	<0,10
Si	<0,25	Mn	0,05 - 0,20	Ti	0,06 - 0,20
Fe	<0,40	Mg	4,5 - 5,5	Be	<0,0005

MECHANICAL PROPERTIES (WELDED METAL)

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0,2% Yield strength (MPa)	Tensile Strength (MPa)	Elongation L=5d (%)	Melting range °C
≥ 120	≥ 250	≥ 18	575- 633 °C

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