

# ER4047 TIG

## TIG Solid Welding Rods

**FEELER**  
MECHANICAL & ELECTRICAL

AWS A5.10: ER 4047

EN ISO 18273: S AI 4047 (AlSi12)

### APPROVALS:

### DESCRIPTION

Aluminium rods for TIG welding all types of aluminium castings and applications where good colour matching with base materials is important. Typical applications include repair welding, surfacing and construction welding: window frames, aluminium tubes, furniture, aluminium castings, engine blocks, and automotive parts. To be used in combination with tungsten electrodes type WP.

### APPLICATIONS

- General fabrication & construction (aluminium base metals)
- Repair & Maintenance

### 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

### PACKAGING

Plastic Box - 5kg, Length: 1000mm

### STORAGE

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

### DEPOSITED METAL ANALYSIS (WT%)

Al	remainder	Cu	<0,30	Zn	<0,20
Si	11,0 - 13,0	Mn	<0,15	Ti	-
Fe	<0,80	Mg	<0,10	Be	<0,0003

### MECHANICAL PROPERTIES (WELDED METAL)

0,2% Yield strength (MPa)	Tensile Strength (MPa)	Elongation L=5d (%)	Melting range °C
≥ 60	≥ 130	≥ 5	573- 585 °C

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