

# ER4043 MIG

MIG Solid Welding Wire

**FEELER**  
MECHANICAL & ELECTRICAL

AWS A5.10: ER 4043

EN ISO 18273: S Al 4043 (AlSi5)

## APPROVALS:

## DESCRIPTION

Aluminium wires for welding alloys with maximum 2% alloying elements and for aluminium alloys containing up to 7% Si.

Excellent flowability and penetration characteristics. Applications in construction sector and automotive industry.

## APPLICATIONS

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

## MATERIALS TO BE WELDED

- Aluminium-MgSi alloys
- Aluminium-Mg alloys up to 2,5% Mg
- Aluminium-MnCu alloys
- Aluminium-Si cast alloys
- Joining dissimilar aluminium alloys

## SHIELDING GAS

I1, I2, I3

## POLARITY

DC+

## AVAILABLE DIAMETERS

1.0mm, 1.2mm, 1.6mm

## PACKAGING

S200 / 2kg Plastic spool, D300 / 7kg Plastic spool

## STORAGE

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

## DEPOSITED METAL ANALYSIS (WT%)

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Al	remainder	Cu	<0,30	Zn	<0,10
Si	4,5 - 6,0	Mn	<0,05	Ti	<0,20
Fe	<0,80	Mg	<0,05	Be	<0,0003

## MECHANICAL PROPERTIES (WELDED METAL)

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0,2% Yield strength (MPa)	Tensile Strength (MPa)	Elongation L=5d (%)	Melting range °C
≥ 40	≥ 120	≥ 8	573- 625 °C

**Xinxiang Feeler Mechanical & Electrical Industry Co., Ltd.**