



# Aluminium Alloy Filler Wire

Silicon bearing Alloys

AWS A5.10 92: ER4043  
EN ISO 18273-S 2004 AL4043

## AW-4043

### DESCRIPTION & APPLICATION

MIG/TIG Filler Wire for the repair and reclamation of Silicon bearing Aluminium Alloys.

### BASE MATERIALS

Joining of Aluminium Alloys of similar composition (4043) and alloys where neither Magnesium nor Silicon predominate. Not to be used where Anodising is to be final finish. 6063, 6082, LM2, LM4, LM6, LM9, LM20, LM25, LM27.

### MECHANICAL PROPERTIES

293	144	24
UTS n/mm	YIELD 0.2%	ELONG A5%

### METAL WELD COMPOSITION %

Al	Si	Mn	Mg	Fe
BAL	5.0	0.05	0.05	0.8

### PACKAGING

7kg Spools and 0.5kg Mini-Spools (MIG)  
2kg Tubes (TIG)

### DIAMETERS

0.8, 1.0, 1.2mm (MIG)  
1.6, 2.4, 3.2, 4.0mm (TIG)

### WELDING INSTRUCTIONS

Shielding Gas Pure Argon or Argon/Helium. Weld with Dip transfer where possible. Do not overheat base material. Fill all craters.

**For more details on welding of Aluminium Alloys, please see our Information Sheets.**  
**Visit:** [www.westbrookwelding.co.uk/downloads](http://www.westbrookwelding.co.uk/downloads)