



AWS A5.10 92: ER5183
EN ISO 18273-S 2004 AL 5183

Aluminium Alloy Filler Wire

Mg/Mn bearing Alloys

AW-5183

DESCRIPTION & APPLICATION

MIG/TIG Filler Wire for the repair and reclamation of Magnesium - Manganese bearing Aluminium Alloys (Marine grade). Higher corrosion resistance to Marine Environment than 5356.

BASE MATERIALS

Joining of Aluminium Alloys of similar composition (5083) Aluminium Mould material (7020).

MECHANICAL PROPERTIES

293

UTS n/mm

144

YIELD 0.2%

24

ELONG A5%

METAL WELD COMPOSITION %

Al

BAL

Si

0.08

Mn

0.7

Mg

4.9

Fe

0.2

PACKAGING

7kg Spools (MIG)
2kg Tubes (TIG)

DIAMETERS

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