



AWS A5.10 92: ER5556  
EN ISO 18273-S 2004 AL 5556

## Aluminium Alloy Filler Wire

### Mg/Mn Bearing Alloys

**AW-5556**

#### 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. Minimum Mg content 4.7%.

#### BASE MATERIALS

Joining of Aluminium Alloys of similar composition (5556, 5083) Aluminium Mould material (7020).

#### MECHANICAL PROPERTIES

299

UTS n/mm

150

YIELD 0.2%

~20

ELONG A5%

#### METAL WELD COMPOSITION %

**Al**

BAL

**Si**

0.07

**Mn**

0.7

**Mg**

5.0

**Fe**

0.15

#### PACKAGING

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

#### DIAMETERS

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

#### WELDING INSTRUCTIONS

Shielding Gas Pure Argon or Argon/Helium. Weld with Dip transfer where possible. Do not overheat base material. Fill all craters. **Note:** Under ISO 18273 there are 4 versions of this alloy, 5556, 5556A, 5556B and 5556C with varying max/min of Mg and/or Mn.

**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)