



Aluminium Alloy Filler Wire

Magnesium Bearing Alloys

AWS A5.10 92: ER5356
EN ISO 18273-S 2004 AL 5356

AW-5356

DESCRIPTION & APPLICATION

MIG/TIG Filler Wire for the repair and reclamation of Magnesium bearing Aluminium Alloys. Recommended also for use on Alloys where neither Silicon nor Magnesium predominate and where Anodising is to be used as final finish.

BASE MATERIALS

Joining of Aluminium Alloys of similar composition (5356).
5251, 5154, 5454, 6063, 6082, LM5.

MECHANICAL PROPERTIES

290	133	>25
UTS n/mm	YIELD 0.2%	ELONG A5%

METAL WELD COMPOSITION %

Al	Si	Mn	Mg	Cu	Ti
BAL	0.5	0.15	5.0	0.1	0.1

PACKAGING

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

DIAMETERS

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

WELDING INSTRUCTIONS

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

For more details on welding of Aluminium Alloys, please see our Information Sheets.
Visit: www.westbrookwelding.co.uk/downloads