

TIG/MIG 402

Al-Mg filler rod / wire for TIG / MIG welding processes

SPECIFICATIONS

AWS / SFA 5.10 : ER 5556

PROPERTIES

Alloy offers excellent resistance to seawater corrosion. Suitable for anodizing.

TECHNICAL DATA

UTS : 26-28 Kgf/mm²
 YS : 10-13 Kgf/mm²
 Elongation : 17%



TYPICAL APPLICATIONS

Used for welding aluminum magnesium alloy base metal. All elements of this alloy are closely controlled for optimum weld strength. Applications in defence, general constructions, marine and structural industry. Welding of rolled and cast Al-Mg alloys such as AlMg4.5 Mn, AlMg5, AlZn4.5Mg1, AlMg5 Mn, AlMg2.7Mn, AlMgSi1 can be accomplished.

CHEMICAL COMPOSITION (%)

Si : 0.25	Fe : 0.40	Cu : 0.10	Mn : 0.50-1.00
Mg : 4.7-5.5	Cr : 0.05-0.20	Zn : 0.25	Ti : 0.05-0.20
Al : Bal.	Oth : 0.20		

AVAILABILITY

Standard Size : 1.6, 2.0, 2.5, 3.2 & 4.0 mm dia in 1000 mm length.
 Packing : 1000 mm in 5 kg. for TIG welding.
 Spools : 0.8, 1.2 & 1.6 mm dia in 6.5 kg. spool for MIG welding.



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