

## Aluminium & Aluminium Alloys Welding Wires

### IV) ER 5183 CLASSIFICATION : AWS A/SFA 5.10:

#### Chemical Composition of ER 5183 Wire:

Si= 0.40 max

Fe= 0.40 max

Cu= 0.10 max

Mn= 0.5-1.0

Mg= 4.3-5.2

Cr= 0.05-0.25

Zn= 25 max

Ti= 0.15 max

Al= Bal.

#### TYPICAL APPLICATION OF ER 5183 WIRE (MIG & TIG):

- 1) Welding of high strength Al alloys
- 2) Automotive, Marine application
- 3) Structural fabrication
- 4) Application where high strength, high impact fracture toughness and exposure to corrosive environment are important

**It is most frequently used on 5083 base plate. It is also used to weld 6061, 6063, 5086, 7005 and 7039 alloys**

Packing: Tig: In cut length of 1000mm in 5kgs boxes (size: 1.6, 2.0, 2.40, 3.15mm)

Mig: Continuous wire in 12.5kgs / 15kgs Plastic Spool (size: 0.80, 1.2mm)

**Works: Gala No. 19, Syndicate Indl. Complex, Near Golani Naka, Near Bank of Maharashtra, Wallive Road, Vasai (E), Dist. Thane - 401 208.**

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