



EWB[®] – 5183 **MIG / TIG Welding Wires**

Classifications:

AWS/ASTM A5.10: 2012 ER5183
EN 573-3: EN AW- AlMg4.5Mn0.7(A)

ISO 18273:2004 Numeral: S Al 5183
ISO 18273:2004 Chemical: AlMg4.5Mn0.7(A)

Typical Chemistry Composition of Weld Deposit (%):

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
<0.40	<0.40	<0.10	0.50 – 1.00	4.30 – 5.20	0.05 – 0.25	0.25	<0.15	Rem.

Description:

- Designed to meet the tensile strength requirements of high magnesium alloys
- Commonly used with 5083 and 5654 base materials
- Used for welding 6XXX series alloys or joining 6XXX to 5XXX

Typical Mechanical Properties:

Yield Strength (Mpa)	Tensile Strength (Mpa)	Elongation (%)
50	120	20

Welding Parameters:

Wire Diameter (Ø in mm)	1.20	1.60
Current (A)	140 – 260	190 – 350
Voltage (V)	20 – 29	25 - 30

Packing Available:-

MIG/MAG Wire (Ø in mm): 1.20 / 1.60

TIG Wire (Ø in mm): 1.60 / 2.40 / 3.20 / 4.00

EWB Weld

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