



## **EWB<sup>®</sup> – 4043** **MIG / TIG Welding Wires**

### **Classifications:**

AWS/ASTM A5.10: 2012 ER4043  
EN 573-3: EN AW-AISI5 (A)

ISO 18273:2004 Numeral: S Al 4043  
ISO 18273:2004 Chemical: AISi5

### **Typical Chemistry Composition of Weld Deposit (%):**

<b>Si</b>	<b>Fe</b>	<b>Cu</b>	<b>Mn</b>	<b>Mg</b>	<b>Zn</b>	<b>Ti</b>	<b>Be</b>	<b>Al</b>
4.50 – 6.00	<0.80	<0.30	<0.05	<0.05	<0.10	<0.20	<0.0008	Rem.

### **Description:**

- Designed for welding heat-treatable base alloys and including 6XXX series alloys
- Lower melting point and more fluidity than 5XXX series filler alloys
- Low sensitivity to weld cracking with 6XXX series base alloys
- General purpose filler alloy and one of the most widely used welding and brazing alloys
- Excellent when aesthetics are of importance
- Not recommended for material to be anodized

### **Typical Mechanical Properties:**

Yield Strength (Mpa)	Tensile Strength (Mpa)	Elongation (%)
80	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

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### **EWB Weld**

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