



## **EWB<sup>®</sup> – 4047** **MIG / TIG Welding Wires**

### **Classifications:**

AWS/ASTM A5.10: 2012 ER4047  
EN 573-3: EN AW-AISI12 (A)

ISO 18273:2004 Numeral: S Al 4047  
ISO 18273:2004 Chemical: AISi12

### **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>Be</b>	<b>Al</b>
11.00 – 13.00	<0.80	<0.30	<0.15	<0.10	<0.20	<0.0008	Rem.

### **Description:**

- Lower melting point and narrower freezing range than 4043 wires
- Increased fluidity and reduced shrinkage
- Can be used as a substitute for 4043 wires to increase silicon in the weld metal, minimize hot cracking and produce higher fillet weld shear strength.

### **Typical Mechanical Properties:**

Tensile Strength  
(Mpa)  
50

Tensile Strength  
(Mpa)  
120

Elongation  
(%)  
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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