



EWB[®] – ER CuMnNiAl MIG / TIG Welding Wires

Classifications:

AWS A5.7: ERCuMnNiAl

ISO 24373: CuMn13Al8Fe3Ni2

Typical Chemistry Composition of Weld Deposit (%):

Cu	Al	Ni	Fe	Mn	Others
Balance	7.00 – 8.50	1.50 – 3.00	2.00 – 4.00	11.00 – 14.00	<0.50

Description & Applications:

- High strength alloy, also safe in regard to sparking.
- Weld Deposit obtained is resistant to sea water, wear and abrasion.
- Resistant to cavitations and erosion.
- Build-up and join welding on aluminium bronzes.
- It is suitable for ships propellers, slide rails, raceways, valve control housings.

Typical Mechanical Properties:

Tensile Strength (N/mm ²)	Elongation (%)	Hardness (HB)
900	10	290

Shielding Gas: Ar

Welding Parameters:

Wire Diameter (Ø in mm)	0.80	1.00	1.20
Current (A)	60 – 165	80 – 210	150 – 320
Voltage (V)	13 – 17.5	12.5 – 18	16 – 29

Packing Available:-

MIG/MAG Wire (Ø in mm): 0.80 / 1.00 / 1.20

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

EWB Weld

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An ISO 9001:2015 Quality Management System Certified Co.