

# RASI ER CuSi-A

MADE IN INDIA

## CHARACTERISTICS

RASI ER CuSi-A is a Silicon Bronze Welding Wire. Excellent Feeding for flawless welding giving exceptionally good finish and properties.



## CLASSIFICATIONS

ER Cu Si - A

## TYPICAL APPLICATIONS

RASI ER Cu Si - A, Silicon Bronze primarily used for TIG / MIG and Oxyacetylene Welding of Copper, Copper-Silicon and Copper-Zinc base metals to themselves and to STEEL. Recommended for Plain, Galvanized Steel sheet metal or other coated steels.

## WELDING POSITIONS

As per direction.

## SHIELDING GAS

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## Chemical Composition of Wled Metal (wt %)

|                 | Cu % | Al%  | Mn %       | Si %       | Fe % | Pb % | P %  | Sn % | Zn % |
|-----------------|------|------|------------|------------|------|------|------|------|------|
| Typical Results | bal. | 0.02 | 0.5 to 1.5 | 2.8 to 4.0 | 0.5  | 0.02 | 0.05 | 0.02 | 0.4  |

## All Weld Metal Mechanical Properties :-

|                 | UTS (mpa)                  | Brinell Hardness | Elongation | Density                 | Solidus Temp.  | Liquidus Temp.  |
|-----------------|----------------------------|------------------|------------|-------------------------|----------------|-----------------|
| Typical Results | 345 N/mm <sup>2</sup> min. | 80 HB            | 25%        | 8.5 gms/cm <sup>3</sup> | 910°C (1670°F) | 1025°C (1877°F) |

## Packing Details :-

| 0.80mm  | 1.00mm  | 1.20mm  | 1.60 x 1Mtr | 2.0/2.40 x 1Mtr |
|---------|---------|---------|-------------|-----------------|
| 12.5 kg | 12.5 kg | 12.5 kg | 5 kg        | 5 kg            |

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