



HUA GUANG 0

Brazing Alloy Specifications

STANDARD

- ISO 17672 Standard: CuP 180
- AWS A5.8 Standard: -

COMPOSITION (w.%)

- Cu: Remainder | P: 6.8-7.2 | Other: ≤ 0.25

PROPERTIES

- Solidus (°C): 710
- Solidus (°F): 1310
- Brazing Temperature (°C): 850-870
- Electrical Conductivity (%IACS): 7.5
- Elongation: 3%
- Density (g/cm³): 7.96
- Liquidus (°C): 802
- Liquidus (°F): 1475.6
- Brazing Temperature (°F): 1562-1630
- Resistance (microhm-cm): 23
- Tensile Strength (MPa): 500

MANUFACTURE CAPABILITIES

- Wire Diameter Range (mm): $\Phi 0.5$ - $\Phi 2.0$ (spool) / $\Phi 2.0$ and above (coil)
- Rod Diameter and Length Range (mm):
 - diameter: 1.0-6.0 / length: 1-1000
- Strip Thickness and Width Range (mm):
 - thickness: above 0.3 / width: 3-80
- Other Forms: Ring

APPLICATIONS

- Application: Used for the brazing of copper and copper alloys.
- Characteristics: This alloy has good fluidity. It is suited for the brazing of gaps within the 0.025-0.13mm range.

STORAGE

The products shall be stored in its package with proper sealing. The warehouse where the brazing alloys are stored shall be dry and well-ventilated. Do not store the products with volatile and corrosive substances, such as acid and alkali.