



HGW SILV 0P7

Brazing Alloy Specifications

STANDARD

- ISO 17672 Standard: CuP 181
- AWS A5.8 Standard: BCuP-2

COMPOSITION (w.%)

- Cu: Remainder | P: 7.2-7.5 | Other: ≤0.25

PROPERTIES

• Solidus (°C): 710	• Liquidus (°C): 793
• Solidus (°F): 1310	• Liquidus (°F): 1459.4
• Brazing Temperature (°C): 823-843	• Brazing Temperature (°F): 1513-1581
• Electrical Conductivity (%IACS): 9.9	• Resistance (microhm-cm): 17.4
• Elongation: 3%	• Tensile Strength (MPa): 500
• Density (g/cm³): 7.86	

MANUFACTURE CAPABILITIES

- Wire Diameter Range (mm): Φ0.5-Φ2.0 (spool) / Φ2.0 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 narrow gaps within the 0.025-0.076mm 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.