

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

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|--|---------------------------------------|
| • 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/cm ³): 7.86 | |

MANUFACTURE CAPABILITIES

- Wire Diameter Range (mm): Φ 0.5- Φ 2.0 (spool) / Φ 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 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.