

# TECHNICAL SHEET

## Brazing BCuP-3

**BEIDUO® Alloys**

Providing Complete Brazing, Soldering & Welding

No.:000008

### Classification

AWS A5.8	BCuP-3
DIN EN1044	CP 104
DIN 8513	L-Ag5P
ISO 17672	CuP 281

### Chemical Composition: %

Cu	P	Ag	Other
Balance	5.7-6.1	4.9-5.1	0.05

### Mechanical and physical properties

Working temperature: 710 °C

Melting range: 645- 815 °C

Specific gravity: 8.2 g/cm<sup>3</sup>

Tensile strength: 250 N/mm<sup>2</sup>

Elongation: 8 %

### Joining process

Acetylene torch, induction and resistance heating

### Description and Applications

Copper-phosphorus alloy with low silver content, good flowing properties and high ductility. Suitable for gap brazing of copper and copper alloys. Joint- brazing at working temperatures between -60 °C and +150 °C. Do not use in sulphurous environment and on Fe- and Ni-alloys.

### Availability

Rods:  $\phi$  1.5-5.0mm Length: 50-1000mm

Wire and Flat wire:  $\phi$  0.8, 1.0, 1.2, 1.6mm

Other dimensions are available upon request

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