

TECHNICAL SHEET

Brazing BCuP-5

BEIDUO® Alloys

Providing Complete Brazing, Soldering & Welding

No.:000009

Classification

AWS A5.8	BCuP-5
DIN EN1044	CP 102
DIN 8513	L-Ag15P
ISO 17672	CuP 284

Chemical Composition: %

Cu	P	Ag	Other
Balance	4.8-5.3	14.5-15.5	0.05

Mechanical and physical properties

Working temperature: 700 °C

Melting range: 645- 800 °C

Specific gravity: 8.4 g/cm³

Tensile strength: 250 N/mm²

Elongation: 10 %

Joining process

Acetylene torch, induction and resistance heating

Description and Applications

Thin fluid copper-phosphorus alloy with high silver content and high ductility, even at low temperatures. Suitable for gap brazing of copper and copper alloys. Recommended for joints with strong thermal load and vibrations. Joint- brazing at working temperatures between -70 °C and +150 °C. Do not use in sulphurous environment and on Fe- and Ni-alloys.

Availability

Rods: ϕ 1.5-5.0mm Length: 50-1000mm

Wire and Flat wire: ϕ 0.8, 1.0, 1.2, 1.6mm

Other dimensions are available upon request

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