

# TECHNICAL SHEET

## Brass Brazing Alloy

**BEIDUO**® Alloys

Providing Complete Brazing, Soldering & Welding

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### Classification

AWS A5.8: RBCuZn-B  
DIN 8513: L-CuZn40  
DIN EN1044: CU 301

### Chemical Composition: %

Cu	Sn	Si	Fe	Ni	Mn	Zn	Other
56-60	0.8-1.1	0.05-0.2	0.25-1.20	0.2-0.8	0.01-0.5	Balance	0.5

### Mechanical and physical properties

Working temperature: 900-980 °C

Melting range: 866-882 °C

Density: 8.4 g/cm<sup>3</sup>

Tensile strength: 350 N/mm<sup>2</sup>

Elongation: 35 %

Hardness: about 110 BHN

### Joining process

Acetylene torch, induction and resistance heating

### Description and Applications

Brazing alloy with good flowing properties, hardly sensitive to overheating. Suitable for gap brazing and coating of steel, cast iron, malleable cast iron, nickel and nickel alloys as well as copper and copper alloys with a solidus of > 900 °C.

### Availability

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

Wire:  $\phi$  0.8, 1.0, 1.2, 1.6mm on spools D300

Other dimensions are available upon request

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#### BEIDUO ALLOYS

#2999 Binhong West Road, Jinhua, Zhejiang, China

Tel: 86-579-83533866 Mob.:86-13806785765

Email: info@jhbeiduo.com www.beiduoalloys.com