TECHNICAL SHEET

Brazing Rods RBCuZn-B Flux coated

BEIDUO® Alloys
Providing Complete Brazing, Soldering & Welding

000003F

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

Flux: Borax , Borax acid and agglomerant.

Mechanical and physical properties

Working temperature: 900-980 °C
Melting range: 866-882 °C
Density: 8.4 g/cm³
Tensile strength: 350 N/mm²
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: ϕ 1.5-4.8mm Length: 300-1000mm
Other dimensions are available upon request

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