

# TECHNICAL SHEET

Cu97Ni3

**BEIDUO**® Alloys

Providing Complete Brazing, Soldering & Welding

No.:000390

## Classification

DIN EN ISO 17672: Cu 186

DIN EN 1044: CU 105

EN ISO 3677: B-Cu97Ni(B)-1085/1100

## Chemical Composition: %

Cu	Ni	B	Other
Balance	2.5	0.02-0.05	0.30

## Mechanical and physical properties

Working temperature: 1120 ° C

Melting range: 1085 - 1100 ° C

Tensile strength: 301 N/mm<sup>2</sup>

## Welding process:

Brazing

## Description and Applications

The alloy is particularly well suited for bridging wide gaps (max. 0.2 mm). Suitable for workpieces made of alloyed and unalloyed steel, wolfram, molybdenum, tantalum and hard metals (e.g. drill bits exposed to high mechanical stress). The contained nickel facilitates the wetting on hard metals.

## Availability

Rods:  $\phi$  1.5-5.0mm Max.Length: 15mm-1000mm

Wire:  $\phi$  0.8, 1.0, 1.2, 1.6mm on spools or coil wire

Other dimensions are available upon request

## BEIDUO ALLOYS

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