



## Brazing alloy BrazeTec Cu/NiN

TD EN Cu-NiN REV. 5

### Composition (% in weight)

Ag	Cu	Zn	Sn	Si	P	Mn	Ni	Other	ISO 17672:2010	EN 1044:1999	ISO 3677
-	100	-	-	-	-	-	-	-	-	-	-

### Technical data:

Melting range (°C)	app. 1085
Working temperature (°C)	app. 1100
Melting range according to DSC measurement (°C)	-
Min. brazing temperature (°C)	-
Electrical conductivity (m/Ω mm <sup>2</sup> )	-
Elongation %	-
Density (g/cm <sup>3</sup> )	8,9
Shear strength (MPa)	-
Tensile strength DIN EN 12797 (MPa)	200 - 300
Operating temperature of brazed joint (min/max) ± (°C)	300

### Applications

Tool industry

### Operating conditions

Copper based alloy with a nickel net interlayer to compensate the internal stresses and for gap stabilization. Suitable for brazing cemented carbides and steels. Excellent flow, capillarity and mechanical strength characteristics.

### Recommended fluxes

-

### Heat sources

Furnace in vacuum and under protective atmosphere

### Delivery forms

Tri-foil: ribbon, preforms

### Notes

-

The information reported in this document about our products and equipment as well as our systems and procedures are based on our research and our experience in the field of applied engineering and are merely recommendations.

Italbras S.p.A. cannot foresee all circumstances in which these information and our products will be used, therefore the user must verify the suitability of our products and processes for the use or application intended by him on his own responsibility.

Italbras S.p.A. declines any liability for any loss, damage or injury howsoever arising (including any claim brought by third parties) as a result of the use of such information. Each warranty of suitability of our products and their use within the production processes of the user, must be agreed in written form. We reserve the right to make technical modifications to this document in the course of our product development.

**Italbras S.p.A.**

Strada del Balsego, 6 – 36100 Vicenza (I)

[info@italbras.it](mailto:info@italbras.it) - [www.italbras.it](http://www.italbras.it) -

Tel. +39 0444.3475-00 / Fax +39 0444.3475-01