



Technical Data Sheet

BrazeTec 48/10



TD BT 0652 E.01

Standard

CU 305 acc. DIN EN 1044 (L-CuNi10Zn42 acc. DIN 8513)
B-Cu48ZnNi(Si) 890/920 acc. ISO 3677

Nominal composition in wt.-% Zn remainder; Cu 48; Ni 9,5; Si 0,3; Sn 0,1; Mn 0,1
Permitted impurities (weight-%):
Al 0,01; As 0,01; Bi 0,01; Cd 0,025; Fe 0,25; Pb 0,02; Sb 0,01; Total impurities without Fe 0,2

Technical data

Melting range	app. 890 - 920 °C (DIN EN 1044)
Working temperature	app. 910 °C
Density	app. 8,7 g/cm ³
Shear strength	150 - 300 MPa (cemented carbide/steel)
Elongation	app. 15 - 20 %
Operating temperature of brazed joint	max. 300 °C (without loss in strength)

Standard delivery form*

Wire: 1,5 - 2,0 - 3,0 mm Ø
Rods: 1,5 - 2,0 - 3,0 mm Ø, 500 mm length
Preforms: rings, shaped parts, sections,
*Other delivery forms on request

Application

BrazeTec 48/10 is a brazing alloy with good flow characteristics. It can be used for brazing any steels, copper as well as for nickel and nickel based alloys.

In special cases BrazeTec 48/10 can be used for brazing cemented carbides.

It can be used for brazing with flame or induction brazing procedures.

Typical applications are found e.g. in automotive and in the electric and tool industry.

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