



Technical Data Sheet BrazeTec 4003

TD BT 0202 E.02



Inhalt

Cadmium - containing brazing alloy. Please note the recommendations in our Material Safety Data Sheet.

Standard

DIN EN 1044
ISO 3677

AG 304 (L-Ag40Cd acc. DIN 8513)
B-Ag40ZnCdCu 595/630

Brazing Alloy

Nominal composition [wt.-%]

Permitted impurities max. [wt.-%]

Max. impurities [wt.-%]

Ag 40; Cu 19; Zn 21; Cd 20

Al 0,001; Bi 0,030; P 0,008; Pb 0,025; Si 0,05

0,15

Technical data

Melting range

approx. 595 - 630 °C (DIN EN 1044)

Working temperature

approx. 610 °C

Density

approx. 9,3 g/cm³

Tensile strength acc. DIN EN 12797

with: S235: 410 MPa; with: E295: 510 MPa

Elongation

approx. 25 %

Electrical Conductivity

approx. 13,5

m/ Ωmm²

Operating temp. of brazed joint

max. 150 °C (without loss in strength)

Standard delivery forms*

Wire:

1,0 - 1,5 - 2,0 mm Ø

Rods:

1,0 - 1,5 - 2,0 mm Ø, 500 mm length

Ribbon:

0,1/ 0,2/ 0,3/ 0,4 mm thickness and 70 mm width

Preforms:

rings, shaped parts, sections, stamped and shaped parts,
shims, discs, perforated plates

*Other delivery forms upon request

Applications

BrazeTec 4003 is a low melting silver based brazing alloy with excellent flow characteristics. It can be used for brazing any steels, copper and copper based alloys as well as for nickel and nickel based alloys.

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.