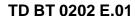


Technical Data Sheet BrazeTec 4003





Cadmium - containing brazing alloy. Please note the recommendations in our

Material Safety Data Sheet.

Standard

AG 304 acc. DIN EN 1044 (L-Ag40Cd acc. DIN 8513)

B-Ag40ZnCdCu 595/630 acc. ISO 3677

Nominal composition in wt.-% Ag 40; Cu 19; Zn 21; Cd 20

Permitted impurities (weight-%):

Al 0,001; Bi 0,030; P 0,008; Pb 0,025; Si 0,05; Total impurities 0,15

Technical data

Melting range app. 595 - 630 °C (DIN EN 1044)

Working temperature app. 610 °C

Density app. 9,3 g/cm³

Tensile strength acc. DIN 8525 with St 37: 410 MPa; with St 50: 510 MPa

Elongation app. 25%

Electrical Conductivity app. 13,5 m/ Ω mm²

Operating temperature of brazed joint max. 150 °C (without loss in strength)

Standard delivery form*

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, lamina, discs, perforated plates

*Other delivery forms on request

Application

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.

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