



Technical Data Sheet BrazeTec 3003



TD BT 0204 E.02

Inhalt

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

Standard

DIN EN 1044
ISO 3677

AG 306 (L-Ag30Cd acc. DIN 8513)
B-Ag30CuCdZn 600/690

Brazing Alloy

Nominal composition [wt.-%]

Permitted impurities max. [wt.-%]

Max. impurities [wt.-%]

Ag 30; Cu 28; Zn 21; Cd 21
Al 0,001; Bi 0,030; P 0,008; Pb 0,025; Si 0,05
0,15

Technical data

Melting range approx. 600 - 690 °C
Working temperature approx. 680 °C
Density approx. 9,2 g/cm³
Tensile strength acc. DIN EN 12797 with: S235: 380 MPa; with: E295: 470 MPa
Elongation approx. 30 %
Electrical Conductivity approx. 15,0
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 3003 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 industry.

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Dokumenten-Informationen

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