



Technical Data Sheet BrazeTec 5600



TD BT 0003 E.03

Inhalt

Standard

DIN EN 1044
ISO 3677

AG 102 (L-Ag55Sn acc. DIN 8513)
B-Ag56CuZnSn 620/655

Nominal composition [wt.-%]

Permitted impurities max. [wt.-%]
Max. impurities [wt.-%]

Ag 56; Cu 22; Zn 17; Sn 5
Al 0,001; Bi 0,030; Cd 0,010; P 0,008; Pb 0,025; Si 0,05
0,15

Technical data

Melting range approx. 620 - 655 °C (DIN EN 1044)
Working temperature approx. 650 °C
Density approx. 9,5 g/cm³
Tensile strength acc. DIN EN 12797 with S235: 350 MPa; with E295: 430 MPa
Elongation approx. 25 %
Electrical Conductivity approx. 7,0
m/ Ωmm²
Operating temp. of brazed joint max. 200 °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 5600 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 the electric and automotive industry.

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