

Technical Data Sheet BrazeTec 5507

Standard

ISO 17672
(DIN EN 1044)

Ag 155
(AG 103)

Nominal composition [wt.-%]

Permitted impurities max. [wt.-%]

Max. impurities [wt.-%]

Ag 55; Cu 21; Zn 22; Sn 2

Al 0.001; Bi 0.030; Cd <0.010; P 0.008; Pb 0.025; Si 0.05

0.15

Technical data

Melting range acc. ISO 17672

approx. 630 - 660°C

Melting range acc. Measurement

approx. 630 – 660°C (DSC –measurement)

Brazing temperature

approx. 660°C

Density

approx. 9.3 g/cm³

Tensile strength acc. DIN EN 12797

with S235: 350 MPa; with E295: 430 MPa

Shear strength acc. DIN EN 12797

with S235: min 150 MPa

Elongation

approx. 25 %

Electrical Conductivity

approx. 8.47 m/ Ωmm²

Operating temp. of brazed joint

approx. -200°C to +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 5507 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, in automotive industry and in the tool industry.

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