

Technical Data Sheet BrazeTec 5507

Standard

ISO 17672
(DIN EN 1044) Ag 155
(AG 103)

Nominal composition [wt.-%]

Ag 55; Cu 21; Zn 22; Sn 2
Permitted impurities max. [wt.-%] Al 0.001; Bi 0.030; Cd <0.010; P 0.008; Pb 0.025; Si 0.05
Max. impurities [wt.-%] 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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