

## Technical Data Sheet BrazeTec 3476

### Standard

ISO 17672  
(DIN EN 1044)

Ag 134  
(AG 106)

### Nominal composition [wt.-%]

Permitted impurities max. [wt.-%]  
0.05

Max. impurities [wt.-%]

Ag 34; Cu 36; Zn 27.5; Sn 2.5

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

0.15

### Technical data

Melting range acc. ISO 17672

approx. 630 - 730°C

Melting range acc. Measurement

approx. 665 – 745°C (DSC – measurement)

Brazing temperature

approx. 745°C

Density

approx. 8.9 g/cm<sup>3</sup>

Tensile strength acc. DIN EN 12797

with S235: 360 MPa; with E295: 480 MPa

Shear strength acc. DIN EN 12797

with S235: min 150 MPa

Elongation

approx. 11 %

Electrical Conductivity

approx. 9.28 m/Ωmm<sup>2</sup>

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 3476 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 flame or induction brazing procedures.

Typical applications are found e.g. in the plumbing trade, in the refrigeration and air conditioning industry, automotive and in the electric industry.

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