

## Technical Data Sheet BrazeTec 3076

### Standard

ISO 17672  
(DIN EN 1044)

Ag 130  
(AG 107)

### Nominal composition [wt.-%]

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

Ag 30; Cu 36; Zn 32; 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. 665 - 755°C                                 |
| Melting range acc. Measurement     | approx. 675 - 760°C (DSC -measurement)              |
| Brazing temperature                | approx. 760°C                                       |
| Density                            | approx. 8.8 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                              |
| Electrical Conductivity            | approx. 12.0 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 3076 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 automotive and in the electric industry.

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