

## Technical Data Sheet BrazeTec BlueBraze 3010

### Standard

BrazeTec Standard  
(ISO 3677)

(B-Cu38AgZnMnSn(Si)-690/730)

### Nominal composition [wt.-%]

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

Ag 30.0; Cu 37.8; Zn 20.0; Mn 10.0; In 2.0; Si 0.2  
Al 0.001; Bi 0.030; Cd 0.010; P 0.008; Pb 0.025  
0.15

### Technical data

Melting range acc. ISO 17672	not applicable
Melting range acc. Measurement	approx. 690 – 730 °C (DSC –measurement)
Brazing temperature	min. 730 °C
Density	approx 8.4 g/cm <sup>3</sup>
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
Electrical Conductivity	approx 2.4 m/ Ωmm <sup>2</sup>

### Standard delivery forms\*

Wire:	1.5 - 2.0 mm Ø
Rods:	1.5 - 2.0 mm Ø, 500 mm length
Preforms:	rings, shaped parts, sections

\*Other delivery forms upon request

### Applications

BrazeTec BlueBraze 3010 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 refrigeration and air conditioning industry.

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