

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; Sn 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/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

Electrical Conductivity

approx. 2.4 m/Ωmm²

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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