

Technical Data Sheet BrazeTec BlueBraze 2010

Standard

BrazeTec Standard
 ISO 3677 B-Cu43ZnAgMnIn(Si)-710/765

Nominal composition [wt.-%] Ag 20.0; Cu 42.8; Zn 25.0; Mn 10.0; In 2.0; Si 0.2
Permitted impurities max. [wt.-%] Al 0.001; Bi 0.030; Cd 0.010; P 0.008; Pb 0.025;
Max. impurities [wt.-%] 0.15

Technical data

Melting range acc. ISO 17672 not applicable
 Melting range acc. Measurement approx. 710 - 765 °C (DSC-measurement)
 Brazing temperature min. 765 °C
 Density approx. 8.3 g/cm³
 Tensile strength acc. DIN EN 12797 with S235: 300 MPa; with E295: 440 MPa
 Shear strength acc. DIN EN 12797 with S235: min 150 MPa
 Electrical Conductivity approx. 2.7 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 2010 is a 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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