

Technical Data Sheet BrazeTec BlueBraze 2010

Standard

BrazeTec Standard
(ISO 3677)

(B-Cu43ZnAgMnIn(Si)-710/765)

Nominal composition [wt.-%]

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

Ag 20.0; Cu 42.8; Zn 25.0; 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. 710 - 765°C (DSC –measurement)
Brazing temperature	min. 765°C
Density	approx 8.3 g/cm ³
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/ Ωmm ²

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.

Note for user: The flux residues are corrosive and have to be removed

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