

Technical Data Sheet BrazeTec 3

Standard

Alloy-No. acc. ISO 9453
(ISO 3677)

402
(Sn97Cu3)

Nominal composition [wt.-%]

Permitted impurities max. [wt.-%]

Sn remainder; Cu 3
Pb 0.10; Sb 0.10; Bi 0.10; Au 0.05; In 0.10; Ag 0.10; Al 0.001;
As 0.03; Cd 0.002; Fe 0.02; Ni 0.01; Zn 0.001

Technical data

Melting range

approx. 227 - 310°C

Density

approx. 7.3 g/cm³

Shear strength acc. DIN EN 12797

with S235: 25 MPa; with Cu 30 MPa; with Ms 20 MPa

Electrical Conductivity

approx. 7.5 m/Ωmm²

Standard delivery forms*

Wire:

2.0 - 3.0 mm Ø, 250 g spools

*Other delivery forms upon request

Applications

BrazeTec 3 is a soft solder free of Antimony and Lead for joining copper tubes for cold and hot water.

Suitable parent metals to be joined are copper, brass and red brass.

It can be used for soldering with a flame, with resistance heating and with soldering iron.

Typical applications are found e.g. in the plumbing industry.

Details in product brochures or other advertisements about our products, equipment, plant and processes are based on our research and our experience in the field of applied engineering and are merely recommendations. It is not possible to infer any warranted qualities or warranted use from these details, unless they were expressly agreed as a warranted quality. We reserve the right to make technical modifications in the course of our product development.

The user must verify the suitability of our products and processes for the use or application intended by him on his own responsibility. This shall also apply to the protection of third party property rights as well as to applications and processes. The properties of samples and specimens are binding only if these have been expressly agreed to define the quality of the goods. Information on the quality and durability and other particulars are warranted only if these are agreed and designated as such. The specifications agreed with the user/purchaser in writing are relevant for the quality of the goods and if specifications have not been agreed in writing, the information contained in our technical data sheets, specifications or drawings.

Any additional or diverging agreements on the quality must be in writing. Any suitability of the product for the presupposed or customary use which supplements or diverges from the agreed quality is out of the question. Our General Conditions of Sale and Delivery shall apply; the current version is available at <http://www.saxonia-tm.de/en/TechnicalMaterials/agbs/>.