

Technical Data Sheet BrazeTec S 15 GOE

Standard

ISO 17672
(DIN EN 1044)
(AWS 5.8)

similar to CuP 284
(similar to CP 102)
(similar to BCuP-5)

Nominal composition [wt.-%]

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

Cu remainder; Ag 15; P 4.6
Al 0.01; Bi 0.030; Cd <0.01; Pb 0.025; Zn 0.05; Zn + Cd 0.05
0.25

Technical data

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| Melting range acc. ISO 17672 | approx. 645 - 800 °C |
| Melting range acc. measurement | approx. 645 - 800 °C (DSC measurement) |
| Brazing temperature | approx. 700 °C |
| Density | approx. 8.3 g/cm ³ |
| Shear strength acc. DIN EN 12797 | Min. 100 MPa with Cu |
| Elongation | approx. 10 % |
| Electrical Conductivity | approx 7.0 m/ Ωmm ² |
| Operating temp. of brazed joint | max. 150 °C (without loss in strength) |

Standard delivery forms*

Ribbon: 0.2 mm thickness and 16 mm width
*Other delivery forms upon request

Applications

BrazeTec S 15 B GOE is a phosphorous-containing brazing alloy with excellent flow characteristics.

The brazing alloy is suitable for joining copper to copper or copper-based materials. Due to its phosphorous content, you have not to use an additional flux for brazing only copper to copper. This brazing alloy is not allowed to be used if sulfur containing medias may have contact with the joint during operating.

It can be used for brazing with flame, with induction heating and in a furnace under protective atmospheres. Typical applications are found e.g. in the electric industry.

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