

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

Melting range acc. ISO 17672
Melting range acc. measurement
Brazing temperature
Density
Shear strength acc. DIN EN 12797
Elongation
Electrical Conductivity
Operating temp. of brazed joint

approx. 645 - 800 °C
approx. 645 - 800 °C (DSC measurement)
approx. 700 °C
approx. 8.3 g/cm³
Min. 100 MPa with Cu
approx. 10 %
approx 7.0 m/ Ωmm²
max. 150 °C (without loss in strength)

Standard delivery forms*

Ribbon:
*Other delivery forms upon request

0.2 mm thickness and 16 mm width

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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