

Technical Data Sheet BrazeTec 5662

Standard

BrazeTec Standard
(ISO 3677)

(B-Ag56CuZnSnGa 605/630)

Nominal composition [wt.-%]

Permitted impurities max. [wt.-%]

0.025; Si 0.05 Max. impurities [wt.-%]

Ag 56; Cu 19; Zn 17; Sn 5; Ga3

Al 0.001; Bi 0.030; Cd <0.010; P 0.008; Pb

0.15

Technical data

Melting range acc. Measurement

Brazing temperature

Density

Tensile strength acc. DIN EN 12797

Shear strength acc. DIN EN 12797

Operating temp. of brazed joint

Electrical Conductivity

approx. 605–630°C (DSC – measurement)

approx. 630°C

approx. 9.3 g/cm³

with S235: 350 MPa; with E295: 420 MPa

with S235: min 150 MPa

approx. -200°C to +200°C (without loss in strength)

approx. 5 m/Ωmm²

Standard delivery forms*

Wire:

1.0 - 1.5 - 2.0 mm Ø

Rods:

1.0 - 1.5 - 2.0 mm Ø, 500 mm length

Ribbon:

0.1/ 0.2/ 0.3/ 0.4 mm thickness and 70 mm width

Preforms:

rings, shaped parts, sections, stamped and
shaped parts, shims, discs, perforated plates

*Other delivery forms upon request

Applications

BrazeTec 5662 is a low melting silver based brazing alloy with excellent flow characteristics. It is an alternative to the low melting Cd-containing Silver brazing alloys. It can be used for brazing any steels, copper and copper based alloys as well as for nickel and nickel based alloys.

The reachable strength of the joint depends from the parent metals. We recommend to verify by brazing tests that the brazing alloy is suitable for the thought application case and that the wished strength of the joint will be reached.

It can be used for brazing with flame or induction brazing procedures.

Typical applications are found e.g. in the electric, in automotive industry and in the tool industry.

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