Technical Data Sheet BrazeTec 5662

Standard
BrazeTec Standard
(ISO 3677) *(B-Ag56CuZnSnGa 605/630)*

Nominal composition [wt.-%]
Ag 56; Cu 19; Zn 17; Sn 5; Ga3

Permitted impurities max. [wt.-%]
Al 0.001; Bi 0.030; Cd <0.010; P 0.008; Pb 0.025; Si 0.05

Max. impurities [wt.-%]
0.15

Technical data
Melting range acc. Measurement approx. 605 – 630°C (DSC –measurement)
Brazing temperature approx. 630°C
Density approx. 9.3 g/cm³

Tensile strength acc. DIN EN 12797 with S235: 350 MPa; with E295: 420 MPa
Shear strength acc. DIN EN 12797 with S235: min 150 MPa

Operating temp. of brazed joint approx. -200°C to +200°C (without loss in strength)

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 join 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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