

Technical Data Sheet BrazeTec 5662

Standard

BrazeTec Standard
(ISO 3677)

(B-Ag56CuZnSnGa 605/630)

Nominal composition [wt.-%]

Permitted impurities max. [wt.-%]

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 0.025; Si 0.05

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 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.

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/>.