



## Technical Data Sheet BrazeTec 5507



TD BT 0004 E.02

### Inhalt

#### Standard

DIN EN 1044  
ISO 3677

AG 103 (L-Ag55Sn acc. DIN 8513)  
B-Ag55ZnCuSn 630/660

#### Nominal composition [wt.-%]

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

Ag 55; Cu 21; Zn 22; Sn 2  
Al 0,001; Bi 0,030; Cd 0,010; P 0,008; Pb 0,025; Si 0,05  
0,15

#### Technical data

Melting range approx. 630 - 660 °C (DIN EN 1044)  
Working temperature approx. 660 °C  
Density approx. 9,5 g/cm<sup>3</sup>  
Tensile strength acc. DIN EN 12797 with S235: 350 MPa; with E295: 430 MPa  
Elongation approx. 25 %  
Electrical Conductivity approx. 9,4  
m/ Ωmm<sup>2</sup>  
Operating temp. of brazed joint max. 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 5507** is a low melting silver based brazing alloy with excellent flow characteristics. It can be used for brazing any steels, copper and copper based alloys as well as for nickel and nickel based alloys. It can be used for brazing with flame or induction brazing procedures.

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

Our information about our products and equipment as well as our systems and procedures are based on comprehensive research and application technological experience. We communicate these results, but take no liability for respective single contracts that are exceeding thereof. We reserve the right to make technical changes in the process of product development in spoken and written terms to the best of our knowledge. Only as an exception do we give guarantees for appearance and workmanship or durability that has been specifically documented in an individual contract. Furthermore, our application technology services are available at your convenience for more detailed consultation such as the involvement in solving manufacturing and application technology problems.

This does not however, release the user from their own responsibility for checking the input and recommendations we give for their own use prior to using that input or recommendation. This is especially applicable for foreign deliveries. This also applies to the trade mark rights of third parties, for applications and procedures that are not specifically given by us. In the event of damage or loss our liability is limited to indemnification of the same admeasurements as is foreseen in our general terms of sales and delivery in reference to deficiencies in quality.