Technical Data Sheet
BrazeTec 5507

TD BT 0004 E.02

Inhalt

Standard

DIN EN 1044	AG 103 (L-Ag55Sn acc. DIN 8513)
ISO 3677	B-Ag55ZnCuSn 630/660

Nominal composition [wt.-%]	Ag 55; Cu 21; Zn 22; Sn 2
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	approx. 630 - 660 °C (DIN EN 1044)
Working temperature	approx. 660 °C
Density	approx. 9,5 g/cm³
Tensile strength acc. DIN EN 12797	with S235: 350 MPa; with E295: 430 MPa
Elongation	approx. 25 %
Electrical Conductivity m/ Ωmm²	approx. 9,4
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.