Technical Data Sheet
BrazeTec 5600

TD BT 0003 E.02

Standard

AG 102 acc. DIN EN 1044 (L-Ag55Sn acc. DIN 8513)
B-Ag56CuZnSn 620/655 acc. ISO 3677

Nominal composition in wt.-% Ag 56; Cu 22; Zn 17; Sn 5
Permitted impurities (weight-%):
Al 0,001; Bi 0,030; Cd 0,030; P 0,008; Pb 0,025; Si 0,05; Total impurities 0,15

Technical data

Melting range	app. 620 - 655 °C (DIN EN 1044)
Brazing temperature	app. 650 °C
Density	app. 9,5 g/cm^3
Tensile strength acc. DIN 8525	with St 37: 350 MPa; with St 50: 430 MPa
Elongation	app. 25%
Electrical Conductivity	app. 7,0 m/ Ωmm^2
Operating temperature of brazed joint	max. 200 °C (without loss in strength)

Standard delivery form*

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, lamina, discs, perforated plates

*Other delivery forms on request

Application

BrazeTec 5600 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.