Technical Data Sheet
BrazeTec 4076

TD BT 0006 E.01

Standard

AG 105 acc. DIN EN 1044 (L-Ag40Sn acc. DIN 8513)
B-Ag40CuZnSn 650/710 acc. ISO 3677

Nominal composition in wt.-% Ag 40; Cu 30; Zn 28; Sn 2
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. 650 - 710 °C (DIN EN 1044)
Working temperature	app. 690 °C
Density	app. 9,1 g/cm^3
Tensile strength acc. DIN 8525	with St 37: 350 MPa; with St 50: 430 MPa
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, shims, discs, perforated plates

*Other delivery forms upon request

Application

BrazeTec 4076 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 automotive and in the electric industry.

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