Technical Data Sheet BrazeTec 3076

Standard	
ISO 17672	Ag 130
(DIN EN 1044)	*(AG 107)*
Nominal composition [wt.-%]	Ag 30; Cu 36; Zn 32; 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 acc. ISO 17672	approx. 665 – 755°C
Melting range acc. Measurement	approx. 675 - 760°C (DSC –measurement)
Brazing temperature	approx. 760°C
Density	approx. 8.8 g/cm³
Tensile strength acc. DIN EN 12797	with S235: 360 MPa; with E295: 480 MPa
Shear strength acc. DIN EN 12797	with S235: min 150 MPa
Electrical Conductivity	approx. 12.0 m/ Ωmm²
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 3076 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 flame or induction brazing procedures.
Typical applications are found e.g. in automotive and in the electric industry.