

Technical Data Sheet BrazeTec 5600

Standard

ISO 17672 (DIN EN 1044) (AWS 5.8)	Ag 156 (AG 102) (BAg-7)
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Nominal composition [wt.-%]

Permitted impurities max. [wt.-%] 0.05 Max. impurities [wt.-%]	Ag 56; Cu 22; Zn 17; Sn 5 Al 0.001; Bi 0.030; Cd <0.010; P 0.008; Pb 0.025; Si 0.15
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Technical data

Melting range acc. ISO 17672	approx. 620 - 655°C
Melting range acc. Measurement	approx. 630 – 655°C (DSC –measurement)
Brazing temperature	approx. 655°C
Density	approx. 9.4 g/cm ³
Tensile strength acc. DIN EN 12797	with S235: 350 MPa; with E295: 430 MPa
Shear strength acc. DIN EN 12797	with S235: min 150 MPa
Elongation	approx. 25 %
Electrical Conductivity	approx. 8.0 m/ Ωmm ²
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 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, in automotive industry and in the tool industry.

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