



Brazing alloy BrazeTec 4900

Composition (% in weight)

Ag	Cu	Zn	Sn	Si	P	Mn	Ni	Other	ISO 17672	EN 1044:1999	ISO 3677
49	16	23	-	-	-	7,5	4,5	-	Ag 449	AG 503	-

Technical data:

Melting range (°C)	680-705
Working temperature (°C)	690
Melting range according to DSC measurement (°C)	-
Min. brazing temperature (°C)	-
Electrical conductivity (m/Ω mm ²)	4
Elongation %	-
Density (g/cm ³)	8,9
Shear strength (MPa)	250-300
Tensile strength DIN EN 12797 (MPa)	-
Operating temperature of brazed joint (min/max) ± (°C)	200

Applications

Tool industry

Operating conditions

Silver based brazing alloy with excellent flow, capillarity and mechanical strength characteristics. Suitable for brazing of cemented carbides and materials which are difficult to wet, such as tungsten, molybdenum, tantalum and chromium.

Recommended fluxes

H spezial, H 285, H paste, H 280, H 80

Heat sources

Induction heating, flame

Delivery forms

Wire, rods, ribbon, rings, preforms

Notes

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