



Brazing alloy BrazeTec 5081

Composition (% in weight)

Ag	Cu	Zn	Sn	Si	P	Mn	Ni	Other	ISO 17672	EN 1044:1999	ISO 3677
50	20	28	-	-	-	-	2	-	Ag 450	-	-

Technical data:

Melting range (°C)	660-715
Working temperature (°C)	710
Melting range according to DSC measurement (°C)	-
Min. brazing temperature (°C)	-
Electrical conductivity (m/Ω mm ²)	-
Elongation %	-
Density (g/cm ³)	9,3
Shear strength (MPa)	-
Tensile strength DIN EN 12797 (MPa)	-
Operating temperature of brazed joint (min/max) ± (°C)	-

Applications

Tool industry

Operating conditions

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

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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