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ELECTRONIC COMPONENTS
AND PACKAGING

TECHNICAL DATA SHEET

100 Silver

Physical Properties of Bulk Braze

Braze Composition	100Ag (weight per cent)
Melting temperature	960°C
Density	10.5 Mg/m ³
Thermal conductivity	418.7 W/m.K
Electrical conductivity	6 x 10 ⁵ /Ω.m
Electrical Resistivity	177 10 ⁻⁸ Ω.m
Coefficient of Thermal Expansion	20.6 x 10 ⁻⁶ K ⁻¹
Tensile strength (est.)	125 MPa
Bonding strength	54 MPa
Young's Modulus	71 GPa

Typical impurity levels for electronic grade are less then:

Au: 0.05	Cu: 0.08	Ni: 0.01	Al: 0.0005
Bi: 0.001	Fe: 0.02	Zn: 0.0003	As: 0.0003
Cd: 0.002	In: 0.10		

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