

TECHNICAL DATA SHEET

SAC 305 (SnAg3Cu0.5)

Alloy composition: complies with all requirements of RoHS Directive (Art. 4.1 of the European Directive 2011/65/UE)

Element	Weight percentage (%)
Sn	Balance
Ag	2.8 – 3.2
Cu	0.4 – 0.6
Pb	0.05 max
Sb	0.10 max
Zn	0.001 max
Fe	0.02 max
As	0.03 max
Ni	0.01 max
Bi	0.10 max
Cd	0.001 max
Al	0.001 max
In	0.05 max

Material characteristics:

Characteristic	Data
Melting point (solidus/liquidus)	217 - 219 °C
Density	7,37 g/cm ³
CTE* (Range 20-100°C)	21,9 µm/°C
Specific Heat Capacity	0,232 J/g K
Hardness	14,1 HV

*CTE: Coefficient of Thermal Expansion

Format:

Format	Width	Height	Length	Weight
Bar	38 mm	10 mm	400 mm	1 kg

Storage conditions / Durability:

Dry storage at room temperature / 2 years

Safety Advice:

Before use refer to the appropriate Material Safety Data Sheet

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