

Copper C101

C101 copper stands out for its electrical and thermal conductivity properties. Ideal for electronic and electrical applications in consumer products or in applications related to heat exchangers and cooling systems.



Material properties

Density		8,91	g/cm ³
Tensile strength	ISO 6892	300	MPa
Elongation at break	ISO 6892	8	%
Yield strength	ISO 6892	150	MPa
Elastic modulus	ISO 6892	80	GPa
Hardness	ISO 6508	90	HB
Melting temperature		1083	°C
Thermal conductivity (20°C)		385	W/mK
Electrical resistivity		0,017	Ωmm ² /m

Maximum dimensions

300x300x45 mm (12x12x1.8 in)

Tolerances

ISO 2768-1 fine (f) or medium (m) class

Applications

Copper is the most commonly used material for applications where thermal and/or electrical conductivity are crucial. Some noteworthy applications are related to power distribution and in heat exchangers.

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