



TECHNICAL DATA SHEET

CMC TYPES foils made from electrolytic tough pitch copper (soft)	CMC 97100	100 µm
	CMC 97125	125 µm
	CMC 97150	150 µm
	CMC 97200	200 µm
	CMC 97250	250 µm
	CMC 97300	300 µm
	CMC 97400	400 µm
	CMC 97500	500 µm
Designation according to DIN / ISO	E-Cu 58 / Cu-ETP	
Density	8.9 g/cm³	
Material composition		
copper content	≥ 99.9%	
oxygen content	0.005% ... 0.04%	
Mechanical properties		
Vickers hardness	40 ... 65 HV	
tensile strength	220 ... 260 MPa or N/mm²	
elongation at break	ca. 20% ... 35%	
Young's modulus (elastic modulus)	117 ... 127 GPa or kN/mm²	
Electrical properties		
electrical conductivity	58 m/(Ω·mm²) or MS/m	
Thermal properties		
specific heat (thermal capacity)	0.386 J/(g·K)	
thermal conductivity	380 ... 390 W/(m·K)	
coefficient of thermal expansion (linear)	17.7 · 10 ⁻⁶ K ⁻¹	
Other properties	RoHS compliant ✓ REACH compliant ✓	

All information transferred from the original data sheets of our suppliers.

05/19

Storage conditions: cool and dry (15 - 25°C, < 65% rel. humidity)

Quality guarantee: 12 months

The technical data are average values and subject to change without notice. They are not intended to replace user's testing.

Note on REACH: Some of our products do contain substances from the so-called candidate list. Please visit <https://en.cmc.de/page/reach> and check whether or not a purchased product is listed in our REACH statement and therefore does contain one or more SVHCs.