



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/cm ³	
	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/mm ²		
elongation at break ca. 20% ... 35%		
Young's modulus (elastic modulus) 117 ... 127 GPa or kN/mm ²		
Electrical properties		
electrical conductivity 58 m/(Ω·mm ²) 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	 	

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.