CMC Klebetechnik GmbH Rudolf-Diesel-Straße 4 Germany - 67227 Frankenthal 0049 (0)6233/872-300

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)	$17.7 \cdot 10^{-6}\ K^{-1}$
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.