

Technical Data Sheet

CMC TYPE	70810
Product description Kapton® film with good thermal conductivity and very good insulating properties also at elevated temperatures. Self adhesive on one side for clean and easy preassembly, and on the other side coated with a phase change wax for optimum thermal connection.	
Backing material	Kapton® MT, thermally conductive
Colour	brown
Thermal conductivity in W/(m·K) (for the backing material only)	0.46
Substrate thickness in mm	0.075 ± 10%
Total thickness in mm	0.140 ± 10%
Adhesive properties	
Type of adhesive	acrylic
Adhesive thickness in mm	0.050 ± 10%
Adhesive strength in N/cm according to internal method PV 1006-32 (180° peel from steel)	≥ 2.5
Thermal properties	
Temperature performance (max.) in °C	155
Softening point of the thermally conductive copolymer wax in °C	95
Electrical properties	
Breakdown voltage based on IEC 60243-1 in V _{eff.}	≥ 7'000
Mechanical properties	
Tensile strength in N/cm	≥ 75
Elongation at break in %	≥ 50
Other properties	
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Storage conditions: cool and dry (15 - 25°C, < 65% rel. humidity)

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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.