

TECHNICAL DATA SHEET

CMC TYPE	70821, double-sided
Product description	
Kapton® film with good thermal conductivity and very good insulating properties even at high temperatures. Easy and clean pre-assembly provided by the adhesive layer, improved heat transfer by the wax coating.	
Substrate	Kapton® MT, thermally conductive
Colour	brown
Thermal conductivity in W/(m·K) (Kapton® MT only)	0.46
Substrate thickness in mm	0.050 ± 15%
Adhesive thickness in mm	ca. 0.025
Thickness of wax in mm	ca. 0.018
Total thickness in mm	0.093 ± 10%
Adhesive Properties	
Type of adhesive / coating	1 st side acrylic adhesive 2 nd side copolymer wax
Adhesive strength in N/cm according to internal method PV 1006-32 (180° peel from steel)	≥ 2 (1 st side)
Thermal Properties	
Flowing temperature of wax in °C	55
Temperature performance (max.) in °C	180
Flammability according to IEC 60454-2	flame retardant
Insulation class according to IEC 60085	F
Electrical Properties	
Breakdown voltage on the basis of IEC 60243-1 in V _{eff.}	≥ 7'000
Mechanical Properties	
Tensile strength in N/cm	≥ 50
Elongation at break in %	≥ 20
Other Properties	
Liner	siliconized paper
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Information concerning regulation (EC) No 1907/2006 (REACH): This product contains one or more substances of very high concern (SVHCs) from the candidate list in amounts greater than 0.1% (w/w). Safe handling instructions can be found here: http://www.cmc.de/en/technical-information/reach.html	

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.