



TECHNICAL DATA SHEET

CMC TYPE	CMC 70061
Product description	CMC 70061 represents polyimide film Kapton® 100CRC without further coatings. Very similar to Kapton CR, the resilience of Kapton® CRC against corona discharge under high voltage conditions is strictly better than that of Kapton® HN, and it is also superior in thermal conductivity.
Colour	light amber, slightly transparent
UL file	E39505
® registered trademark by DuPont de Nemours	

Excerpt taken from the original data sheet by DuPont:

Property	Unit	Typical Value	Test Method
Thickness	mil	1	ASTM D-374
	µm	25.4	
Tensile Strength	kpsi	34	ASTM D-882
	MPa	227	
Elongation	%	80	ASTM D-882
Tensile Modulus	kpsi	500	ASTM D-882
	GPa	3.48	
Dielectric Strength	V/mil	7000	ASTM D-149
	kV/mm	276	
Dielectric Constant @ 1 kHz	–	3.4	ASTM D-150
Dissipation Factor @ 1 kHz	–	0.002	ASTM D-150
Volume Resistivity	ohm-cm	>10 ¹⁶	ASTM D-257
Yield	ft ² /lb	128	–
	m ² /kg	26	
Density	g/cc	1.48	ASTM D-1505
UL Electrical RTI	°C	240*	UL 746B
UL Mechanical RTI	°C	200*	UL 746B
Flammability	UL-94	V-0*	UL Test Method

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.