



## TECHNICAL DATA SHEET

<b>CMC TYPE</b>	<b>CMC 70849</b>
<b>Product description</b>	
CMC 70849 consists of a very tough and electrically resistant Kapton® film with high performance reserves and a temperature resistant silicone adhesive.	
<b>Supporting base</b>	Kapton® HN (polyimide)
Colour	brown
Substrate thickness in mm	0.125 ± 10%
Total thickness in mm	0.160 ± 10%
<b>Adhesive properties</b>	
Type of adhesive	polysiloxane
Adhesive strength in N/cm according to internal method PV 1006-32 (180° peel from steel)	3
<b>Thermal properties</b>	
Temperature performance (max.) in °C	180
Short term temperature performance in °C (ca. 1 hour)	350
Insulation class according to IEC 60085	H
<b>Electrical properties</b>	
Breakdown voltage based on IEC 60243-1 in V <sub>eff.</sub>	≥ 12'000
<b>Mechanical properties</b>	
Tensile strength in N/cm	≥ 250
Elongation at break in %	≥ 60
<b>Other properties</b>	 
Liner	fluorosiliconized PET, 50 µm
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Storage conditions: cool and dry (15 - 25°C, &lt; 65% rel. humidity)

03/22

Quality guarantee: 12 months

The technical data represents average values subject to change without notice. It is not intended to replace users' 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.