



## preliminary technical data sheet

<b>CMC TYPE</b>	<b>70430</b>
<b>Product description</b>	
Kapton® MT+ one-sided self-adhesive with a polyester film liner. The tape was coated with a soft and smooth acrylic adhesive. Ceramic fillers in both backing material and adhesive layer provide high thermal conductivity while still offering good electrical and mechanical properties.	
<b>Backing material</b>	Kapton® MT+, thermally conductive
Colour	yellow
Substrate thickness in mm	ca. 0.050
Total thickness in mm	ca. 0.075
<b>Adhesive properties</b>	
Type of adhesive	filled acrylic, thermally conductive
Adhesive strength in N/cm according to internal method PV 1006-32 (180° peel from steel)	≥ 1.0
<b>Thermische properties</b>	
Temperature performance (max.) in °C	120
Short term temperature performance in °C (ca. 1 hour)	150
Thermal conductivity in W/(m·K) according to ASTM D5470 (at 300 kPa)	ca. 0.75
Insulation class according to IEC 60085	E
<b>Electrical properties</b>	
Breakdown voltage based on IEC 60243-1 in $V_{eff}$ .	≥ 6'500
<b>Mechanical properties</b>	
Tensile strength in N/cm	≥ 25
Elongation at break in %	≥ 35
<b>Other properties</b>	 
® registered trademark by DuPont de Nemours	
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: <a href="http://www.cmc.de/en/technical-information/reach.html">http://www.cmc.de/en/technical-information/reach.html</a>	

Storage conditions: cool and dry (15 - 25°C, &lt; 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.