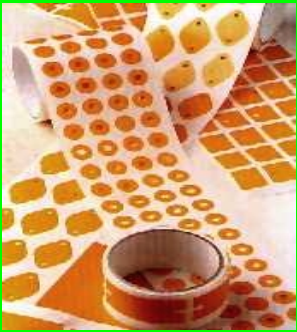


### KK071-AC

	Material	Thermal Impedance °C/W (Area:TO3)	Breakdown Voltage (V) 50Hz RMS	UL-Rating
Property	Kapton	0.45	4500	94VTM-0
Test Method	-	ASTM D5470	ASTM D149	UL Test

	Description
	<p><b>KOOL-PADS K071</b> is a combination of Kapton®MT thermally conductive polyimide film and a coating on one side of proprietary synthetic resin pressure sensitive adhesive. The result is a multi performance insulator.</p> <p>KK071 is automatically supplied with pressure sensitive adhesive on one side only. The adhesive is an important assembly aid and allows the thin cut parts to be peeled from a die cut roll. KK071 provides excellent cut-through resistance for applications where high torque, burrs or sharp edged components are likely to be encountered.</p> <p>Kool-Pads KK071 conforms to the UL flame retardant rating 94VTM-0. File No. E123456 refers.</p>

Ordering information	Key performance Properties
<p><b>Standard sheet sizes are 300mm x 300mm each.</b></p> <p>Adhesive backed KK071-AC-30x30</p> <p>An extensive range of pre-cut profiles is also available, see additional datasheet for details.</p>	<ul style="list-style-type: none"> <li>• Very low thermal resistance with 4500V voltage isolation.</li> <li>• Fills air gaps between components up to 7% of the pads thickness</li> <li>• Remains resistant to cleaning agents , and does not support organic growth</li> <li>• No known deterioration over time.</li> <li>• Easily cut at room temperature into most configurations using steel rule dies or sharp blades.</li> <li>• Low tooling costs for custom profiles</li> <li>• Very high cut through resistance.</li> </ul>

Technical Information	Property	Test Standard
Part prefix code	KK071-AC	
Thickness (mm)	0.071 ±0.02	
Thermal Conductivity Wm <sup>-1</sup> K <sup>-1</sup>	0.25	MIL-I-49456A
Thermal resistance per cm <sup>2</sup>	2.90°C/W	
Hardness	90 ±3	Shore Micro
Tear Resistance kN/m	95	ASTM D624
Tensile Strength MPa	69	ASTM D412
Dielectric Constant 1000Hz	1.9	ASTM D150
Elongation %	44	ASTM D412
Colour	Bright Yellow	
Comparative Tracking Index	-	
Temperature range	-60°C to 180°C	
Datasheet Issue	03	

For further information on this or any other thermal material call our help line on ++49-(0)89-15 81 26-0 and visit our website at [www.infratron.de](http://www.infratron.de)

[in\\_KK071\\_AC.pdf](#)