


### K230

	Material	Thermal Impedance °C/W (Area:TO3)	Breakdown Voltage (V) 50Hz RMS	UL-Rating
Property	Silicone / Fibre glass	0.35	4500	94V0
Test Method	-	ASTM D5470	ASTM D149	UL Test

	Description
	<p>KOOL-PAD K230 is a thermally conductive, conformable, interface material. It has been designed to be used between component and heatsink to eliminate air gaps and improve the efficiency of heat transfer.</p> <p>K230 uses Boron Nitride to produce a thermal performance 33% better than standard interface materials, such as Infratrons K177. The silicone nature of the product also gives a voltage isolation of 4500V (50Hz rms).</p> <p>K230 conforms to the UL flame retardant rating of 94V-0 and is recognized under file number E123456</p>

Ordering information	Key performance Properties
<p><b>Standard sheet sizes are 300mm x 300mm each.</b></p> <p>Adhesive backed K230-AC-30x30</p> <p>Non Adhesive K230-NA-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>Low thermal resistance with high voltage isolation.</li> <li>Fills air gaps between components up to 15% of the pads thickness</li> <li>Available in adhesive backed, or non-adhesive backing.</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> </ul>

Technical Information	Property	Test Standard
Part prefix code	K230	
Thickness (mm)	0.230 ±0.02	
Thermal Conductivity Wm <sup>-1</sup> K <sup>-1</sup>	1.07	MIL-I-49456A
Thermal resistance per cm <sup>2</sup>	2.10°C/W	
Hardness	80 ±5	Shore Micro
Tear Resistance kN/m	75	ASTM D624
Tensile Strength MPa	30	ASTM D412
Dielectric Constant 1000Hz	2.6	ASTM D150
Elongation %	35	ASTM D412
Colour	Pink Rose	
Comparative Tracking Index	250	
Temperature range	-60°C to 180°C	
Datasheet Issue	08	

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)