


PK17-NA

	Material	Thermal Impedance °C/W (Area:TO3)	Breakdown Voltage (V) 50Hz RMS	UL-Rating
Property	Polyester / Fibre glass	0.45	5500	94V0
Test Method	-	ASTM D5470	ASTM D149	UL Test

	Description KOOL-PAD PK17 offers a low cost alternative to all other types of thermally conductive insulators. Constructed from a thermally conductive polyester compound coated onto a layer of woven glass fibre, they provide a strong flexible and clean insulator, which will not crack, age, or permit contamination. Kool Pad PK materials are also suitable for aerospace and telecommunication applications where the migration of silicone would cause contamination problems. Kool Pads conform to the UL Flame retardant rating of 94-V0
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Ordering information	Key performance Properties
<p>Standard sheet sizes are 300mm x 300mm each.</p> <p>Non Adhesive PK17-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"> • High voltage isolation. • Silicone free, and compatible with most acrylic conformal coatings. • Fills air gaps between components up to 8% of the pads thickness • Remains resistant to cleaning agents , and does not support organic growth • No known deterioration over time. • Easily cut at room temperature into most configurations using steel rule dies or sharp blades. • Low tooling costs for custom profiles

Technical Information	Property	Test Standard
Part prefix code	PK17	
Thickness (mm)	0.229 ±0.02	
Thermal Conductivity Wm ⁻¹ K ⁻¹	0.8	MIL-I-49456A
Thermal resistance per cm ²	2.90°C/W	
Hardness	90 ±5	Shore Micro
Tear Resistance kN/m	125	ASTM D624
Tensile Strength MPa	35	ASTM D412
Dielectric Constant 1000Hz	3.18	ASTM D150
Elongation %	20	ASTM D412
Colour	Lilac	
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

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