

## TG-APC Series Non-silicone Thermal Pad

REACH Compliant

RoHS Compliant

UL Comparable

### Features

- Non siloxane and oil-bleed
- Ultra soft and great elongation
- Electrical insulation
- Very low thermal impedance

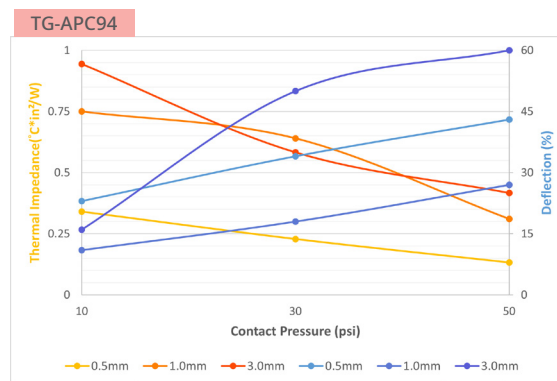
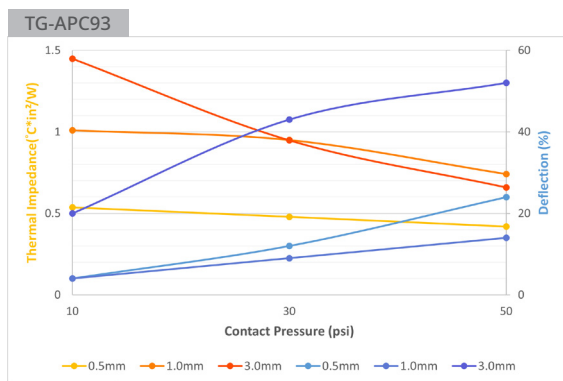
### Application:

Applications that require no silicone

Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

### Properties

#### Contact Pressure, Thermal Impedance, and Deflection



Properties	Unit	TG-APC93 / PC93	TG-APC94 / PC94	Tolerance	Test Method
Thermal Conductivity	W/m·K	2.1	4.2	±10%	ASTM D5470 Modified
Thickness	mm	0.5~5.0		-	ASTM D374
	inch	0.0197~0.1969		-	ASTM D374
Color	-	Gray	Red	-	Colorimeter CIE 1976
Flame Rating	-	V-0		-	UL 94
Dielectric Breakdown Voltage	KV/mm	≥10.2		-	ASTM D149
Weight Loss	%	<1		-	ASTM E595 Modified
Density	g/cm³	2.1	2.5	±0.2	ASTM D792
Operating Temperature	°C	-30~+125		-	-
Volume Resistivity	Ohm-m	>10 <sup>10</sup>		-	ASTM D257
Elongation	%	350	100	-	ASTM D412
Tensile Strength	kgf/cm²	1	2	-	ASTM D412
Standard Format	-	Sheet		-	-
Hardness	Shore OO	55	50	±10	ASTM D2240

※ For thicknesses less than 1.0mm, hardness will be adjusted to 50-75 Shore OO to facilitate effective removal of liner during production  
 ※ Different tolerances according to the selected thickness  
 ※ Die-cut for different shapes

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