

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

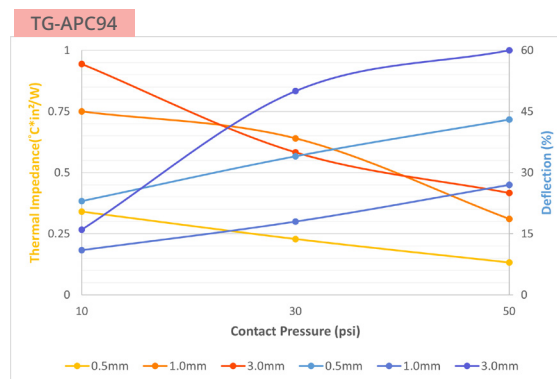
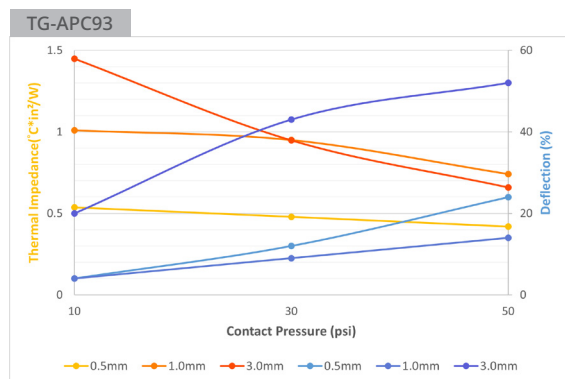
Application:

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 ¹⁰		-	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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