



# PC94 / TG-APC94 Non-silicone Thermal Pad

REACH Compliant    RoHS Compliant    UL Compliant

## Features

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

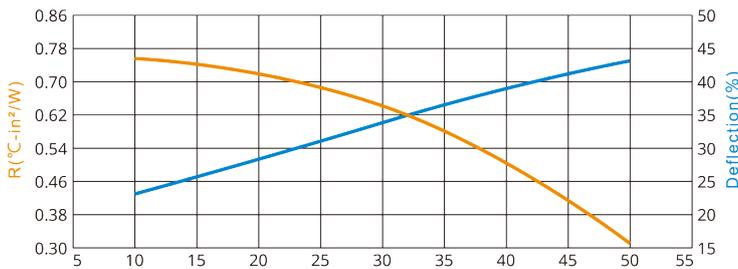
## Applications

Applications that require no silicone

Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, etc.

## Properties

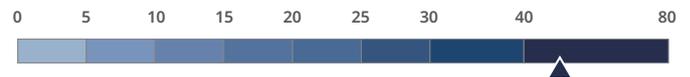
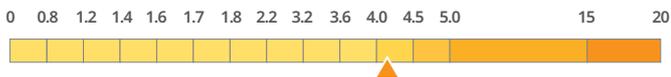
Thermal Resistance vs. Pressure vs. Deflection



Pressure(psi)	R(°C-in²/W)	Deflection(%)
10	0.75	23
30	0.64	34
50	0.31	43

Thermal Conductivity : 4.2 W/mK

Hardness : 50 (Shore 00)



Properties	PC94 / TG-APC94	Unit	Tolerance	Test Method
Thermal Conductivity	4.2	W/mK	±10%	ASTM D5470
Thickness	0.5~5.0	mm	-	ASTM D374
	0.0197~0.1969	inch	-	ASTM D374
Color	Red	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	≥10.2	KV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	2.5	g/cm <sup>3</sup>	±0.2	ASTM D792
Working Temperature	-30~+125	°C	-	-
Volume Resistance	>10 <sup>10</sup>	Ohm-m	-	ASTM D257
Elongation	100	%	-	ASTM D412
Tensile Strength	2	kgf/cm <sup>2</sup>	-	ASTM D412
Standard Format	Sheet	-	-	-
Hardness	50	Shore 00	±10	ASTM D2240

\*Different tolerances according to the selected thickness

\*Pre-cut for different shapes

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