

PC93 / TG-APC93 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

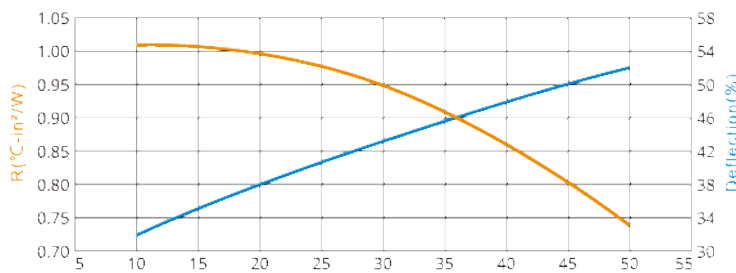
Applications

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

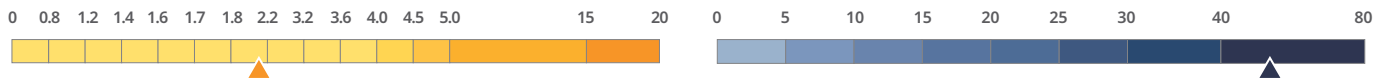
Thermal Resistance vs. Pressure vs. Deflection



Pressure (psi)	R (°C-in²/W)	Deflection (%)
10	1.01	32
30	0.95	43
50	0.74	52

Thermal Conductivity : 2.1 W/mK

Hardness : 55 (Shore 00)



Properties	PC93 / TG-APC93	Unit	Tolerance	Test Method
Thermal Conductivity	2.1	W/mK	±10%	ASTM D5470
Thickness	0.5~5.0	mm	-	ASTM D374
	0.0197~0.1969	inch	-	ASTM D374
Color	Gray	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	≥10.2	KV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	2.1	g/cm³	±0.2	ASTM D792
Working Temperature	-30~+125	°C	-	-
Volume Resistance	>10 ¹⁰	Ohm-m	-	ASTM D257
Elongation	350	%	-	ASTM D412
Tensile Strength	1	kgf/cm²	-	ASTM D412
Standard Format	Sheet	-	-	-
Hardness	55	Shore 00	±10	ASTM D2240

※Different tolerances according to the selected thickness
 ※Pre-cut for different shapes

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