TG-APC94 / PC94

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

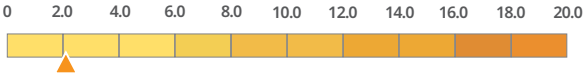
Application:

Applications that require no silicone

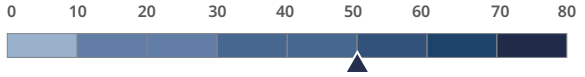
Electronic components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

Properties

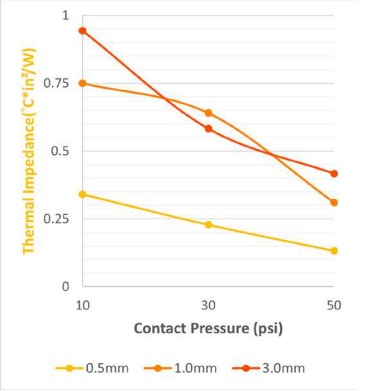
Thermal Conductivity : 4.2 W/m•K

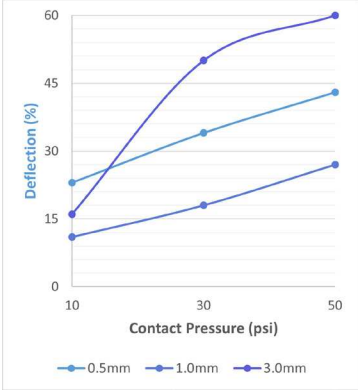


Hardness : 50 (Shore OO)



Contact Pressure, Thermal Impedance, and Deflection





Properties	Unit	TG-APC94 / PC94	Tolerance	Test Method
Thermal Conductivity	W/m•K	4.2	±10%	ASTM D5470 Modified
Thickness	mm	0.5~5.0	-	ASTM D374
	inch	0.0197~0.1969	-	ASTM D374
Color	-	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/cm^3	2.5	±0.2	ASTM D792
Operating Temperature	° C	-30~+125	-	-
Volume Resistivity	Ohm-m	>10^{10}	-	ASTM D257
Elongation	%	100	-	ASTM D412
Tensile Strength	kgf/cm^2	2		ASTM D412
Standard Format	-	Sheet	-	-
Hardness	Shore OO	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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