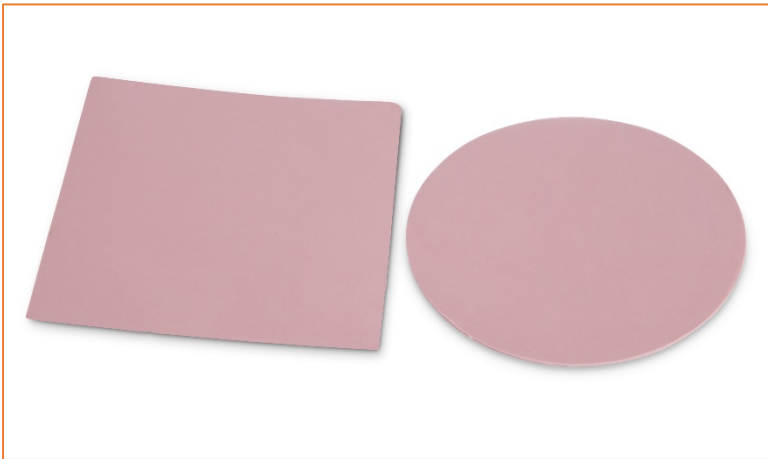


PC94

Non-Silicone Thermal Conductive Pad



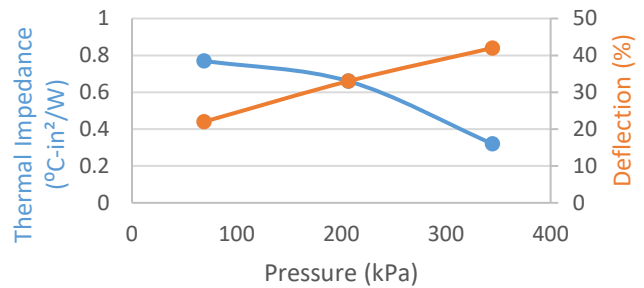
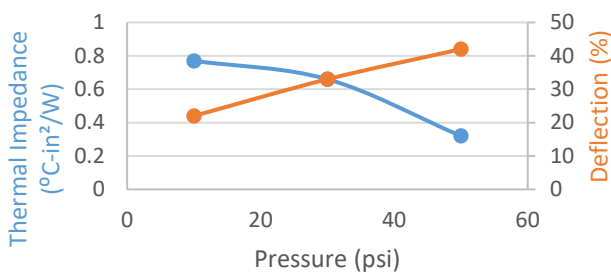
Features

- Low contact thermal impedance
- Good thermal conductivity
- Silicon free
- Long term stability

Applications

- Electronic components: IC – CPU – MOS
- LED - M/B – P/S – Heat Sink
- LCD – TV – Notebook PC – PC Telecom Device – Wireless Hub... etc.
- DDR II Module – DVD Applications – Hand-set applications... etc.

Thermal Impedance Vs Pressure Vs Deflection



Properties

- REACH Compliant
- ROSH Compliant

Property	PC94	Unit	Tolerance	Test Method
Colour	Red	-	-	Visual
Thickness (Available thickness range)	0.50 / 5.0	mm	-	ASTM D374
	0.0098 / 0.1969	inch	-	ASTM D374
Thermal Conductivity	4	W/mK	± 0.4	ASTM D5470
Flammability Rating	V-1	-	-	UL 94
Dielectric Breakdown Voltage	10	kV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Specific Gravity	2.5	g/cm ³	± 0.2	ASTM D792
Working Temperature	-30 to 125	°C	-	-
Volume Resistance	>10 ¹⁰	Ohm-cm	-	ASTM D257
Elongation	100	%	-	ASTM D412
Tensile Strength	2	Kgf/cm ²	± 2	ASTM D412
Hardness	60	Shore 00	± 10	ASTM D2240

Part Number

PC94-100-100-1				
Product	Length	Width	Thickness	Adhesive
PC94	100	100	1	-
PC94 product	Length of 100 mm	Width of 100 mm	Thickness of 1 mm	No adhesive

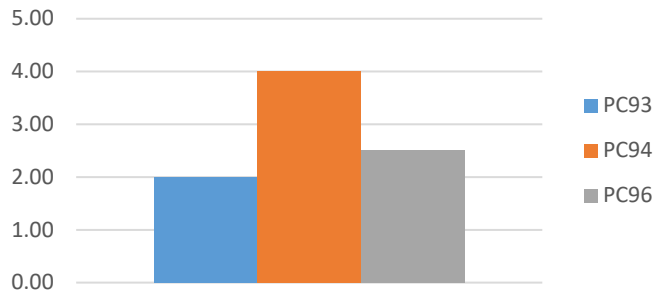
Common Weights

Thickness	0.50	0.80	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	
Size	100x100	12.50	20.00	25.00	37.50	50.00	62.50	75.00	87.50	100.00	112.50	125.00
	150x150	28.13	45.00	56.25	84.38	112.50	140.63	168.75	196.88	225.00	253.13	281.25
	300x300	112.50	180.00	225.00	337.50	450.00	562.50	675.00	787.50	900.00	1012.50	1125.00
	320x320	128.00	204.80	256.00	384.00	512.00	640.00	768.00	896.00	1024.00	1152.00	1280.00

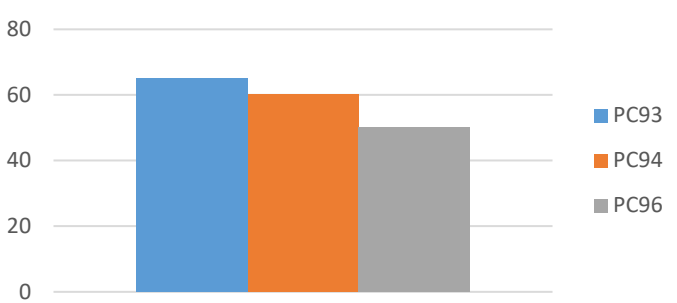
* All weights are in gr
 ** All sizes are in mm

Data

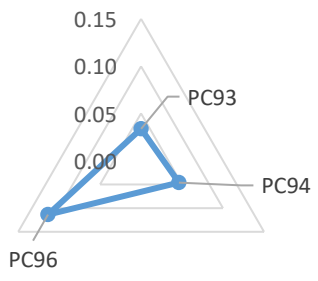
Thermal Conductivity (W / mK)



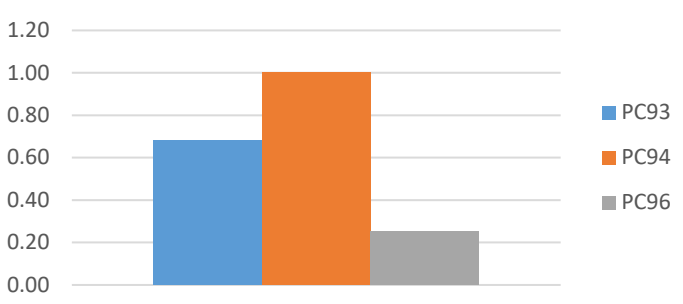
Hardness (Shore 00)



Thermal Conductivity / Pricing



Pricing / Pricing PC94



*Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

Digi-Key Part Number	T-Global Part Number	Thickness	Material	Adhesive	Backing, Carrier	Color	Thermal Resistivity	Thermal Conductivity
1168-1434-ND	PC94-150-150-0.25-0	0.010" (0.254mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
1168-1438-ND	PC94-150-150-2.0-0	0.079" (2.00mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
1168-1435-ND	PC94-320-320-0.25-0	0.010" (0.254mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
1168-1442-ND	PC94-150-150-5.0-0	0.197" (5.00mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
1168-1437-ND	PC94-320-320-1.0-0	0.040" (1.02mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
1168-1439-ND	PC94-320-320-2.0-0	0.079" (2.00mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
1168-1441-ND	PC94-320-320-3.0-0	0.118" (3.00mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
1168-1436-ND	PC94-150-150-1.0-0	0.040" (1.02mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
1168-1440-ND	PC94-150-150-3.0-0	0.118" (3.00mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
1168-1443-ND	PC94-320-320-5.0-0	0.197" (5.00mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
PC94-100-100-0.25-0-ND	PC94-100-100-0.25-0	0.010" (0.254mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
PC94-100-100-1.0-0-ND	PC94-100-100-1.0-0	0.040" (1.02mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
PC94-100-100-2.0-0-ND	PC94-100-100-2.0-0	0.079" (2.00mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
PC94-100-100-3.0-0-ND	PC94-100-100-3.0-0	0.118" (3.00mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
PC94-100-100-5.0-0-ND	PC94-100-100-5.0-0	0.197" (5.00mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
PC94-300-300-0.25-0-ND	PC94-300-300-0.25-0	0.010" (0.254mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
PC94-300-300-1.0-0-ND	PC94-300-300-1.0-0	0.040" (1.02mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
PC94-300-300-2.0-0-ND	PC94-300-300-2.0-0	0.079" (2.00mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
PC94-300-300-3.0-0-ND	PC94-300-300-3.0-0	0.118" (3.00mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K
PC94-300-300-5.0-0-ND	PC94-300-300-5.0-0	0.197" (5.00mm)	Non-Silicone	-	-	Red	-	4.0 W/m-K

NOTICE: The information contained herein is to the best of our knowledge true and accurate. However, since the varied conditions of potential use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part and users should make their own test to determine the suitability of our products in any specific situation. This product is sold without warranty either expressed or implied, of fitness for a particular purpose or otherwise, except that this product shall be of standard quality, and except to the extent otherwise stated T-Global Technology Europe and North America's invoice, quotation, or order acknowledgment. We disclaim any and liability incurred in connection with the use of information contained herein, or otherwise. All risks of such are assumed by the user. Furthermore, nothing contained herein shall be construed as a recommendation to use any process or to manufacture or to use any product in conflict with existing future patents covering any product or material or its use.