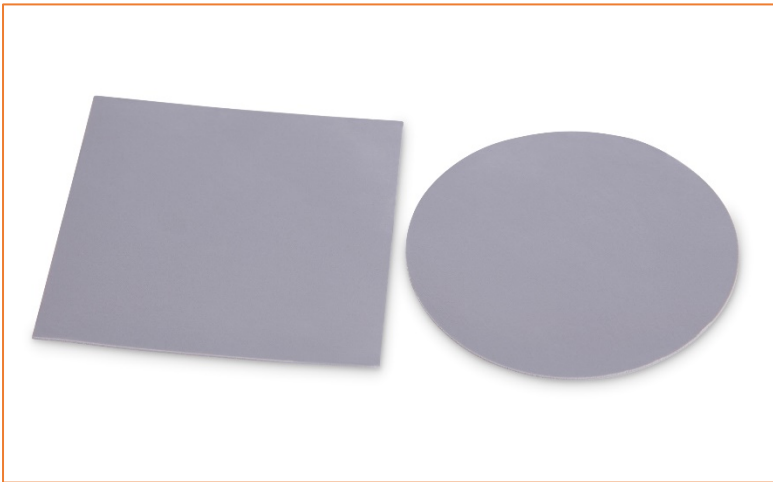


PC93

Non-Silicone Thermal Conductive Pad



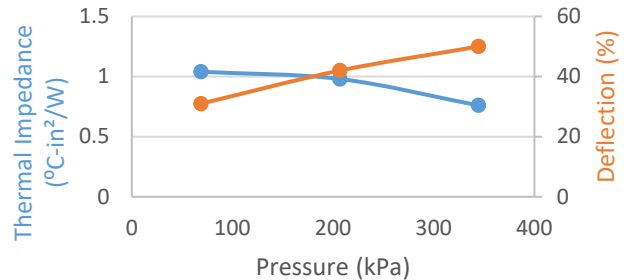
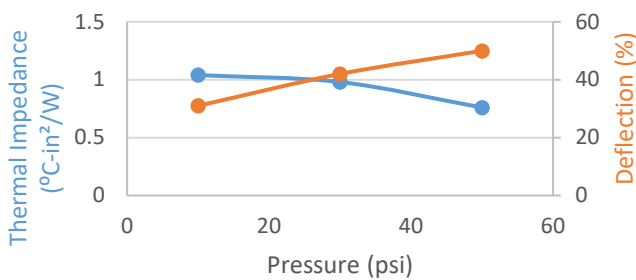
Features

- 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	PC93	Unit	Tolerance	Test Method
Colour	Grey	-	-	Visual
Thickness (Available thickness range)	0.50 - 5.0	mm	-	ASTM D374
	0.0197 - 0.1969	inch	-	ASTM D374
Thermal Conductivity	2	W/mK	± 0.2	ASTM D5470
Flammability Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	10	kV/mm	± 1	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Specific Gravity	2.1	g/cm ³	± 0.2	ASTM D792
Working Temperature	-30 to 125	°C	-	-
Volume Resistance	>10 ¹²	Ohm-cm	-	ASTM D257
Elongation	350	%	-	ASTM D412
Tensile Strength	1	Kgf/mm ²	-	ASTM D412
Hardness	65	Shore 00	± 10	ASTM D2240

Part Number

PC93-100-100-1				
Product	Length	Width	Thickness	Adhesive
PC93	100	100	1	-
PC93 product	Length of 100 mm	Width of 100 mm	Thickness of 1 mm	No adhesive

Standard Weights

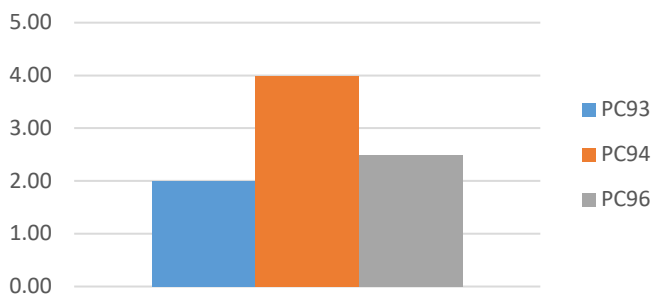
Thickness	0.50	0.80	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	
Size	100x100	10.50	16.80	21.00	31.50	42.00	52.50	63.00	73.50	84.00	94.50	105.00
	150x150	23.63	37.80	47.25	70.88	94.50	118.13	141.75	165.38	189.00	212.63	236.25
	300x300	94.50	151.20	189.00	283.50	378.00	472.50	567.00	661.50	756.00	850.50	945.00
	320x320	107.52	172.03	215.04	322.56	430.08	537.60	645.12	752.64	860.16	967.68	1075.20

* All weights are in gr

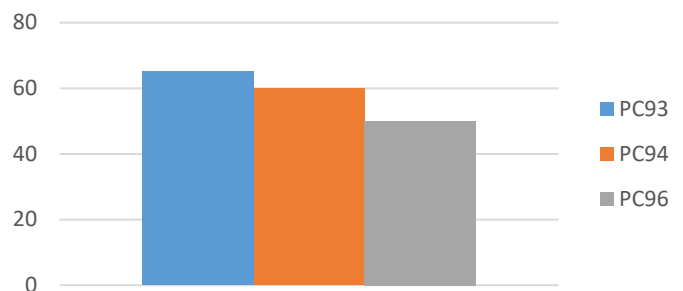
** All sizes are in mm

Data

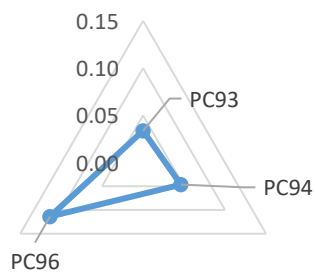
Thermal Conductivity (W / mK)



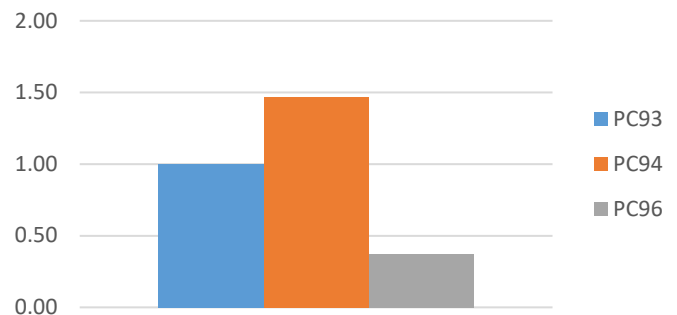
Hardness (Shore 00)



Thermal Conductivity / Pricing



Pricing / Pricing PC93



*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 Conductivity
1168-1459-ND	PC93-5-5-0.25	0.010" (0.254mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1468-ND	PC93-5-5-1	0.040" (1.02mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1486-ND	PC93-5-5-3	0.118" (3.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1477-ND	PC93-5-5-2	0.079" (2.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1472-ND	PC93-10-5-1	0.040" (1.02mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1495-ND	PC93-5-5-5	0.197" (5.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1460-ND	PC93-10-10-0.25	0.010" (0.254mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1490-ND	PC93-20-5-3	0.118" (3.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1469-ND	PC93-10-10-1	0.040" (1.02mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1499-ND	PC93-20-5-5	0.197" (5.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1471-ND	PC93-30-30-1	0.040" (1.02mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1503-ND	PC93-25-25-5	0.197" (5.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1464-ND	PC93-20-10-0.25	0.010" (0.254mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1478-ND	PC93-20-20-2	0.079" (2.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1474-ND	PC93-19.5-12.70-1	0.040" (1.02mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1461-ND	PC93-20-20-0.25	0.010" (0.254mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1492-ND	PC93-19.50-12.70-3	0.118" (3.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1470-ND	PC93-20-20-1	0.040" (1.02mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1501-ND	PC93-19.50-12.70-5	0.197" (5.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1467-ND	PC93-25-25-0.25	0.010" (0.254mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1493-ND	PC93-24-21.01-3	0.118" (3.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1487-ND	PC93-20-20-3	0.118" (3.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1476-ND	PC93-25-25-1	0.040" (1.02mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1462-ND	PC93-30-30-0.25	0.010" (0.254mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1485-ND	PC93-25-25-2	0.079" (2.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1502-ND	PC93-24-21.01-5	0.197" (5.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1494-ND	PC93-25-25-3	0.118" (3.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1480-ND	PC93-30-30-2	0.079" (2.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1489-ND	PC93-30-30-3	0.118" (3.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1498-ND	PC93-30-30-5	0.197" (5.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1427-ND	PC93-150-150-1.0-0	0.040" (1.02mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1428-ND	PC93-150-150-2.0-0	0.079" (2.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1432-ND	PC93-150-150-5.0-0	0.197" (5.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1483-ND	PC93-19.50-12.70-2	0.079" (2.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1473-ND	PC93-20-10-1	0.040" (1.02mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1429-ND	PC93-320-320-2.0-0	0.079" (2.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1431-ND	PC93-320-320-3.0-0	0.118" (3.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1433-ND	PC93-320-320-5.0-0	0.197" (5.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1466-ND	PC93-24-21.01-0.25	0.010" (0.254mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1496-ND	PC93-20-20-5	0.197" (5.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1425-ND	PC93-150-150-0.25-0	0.010" (0.254mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1430-ND	PC93-150-150-3.0-0	0.118" (3.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1426-ND	PC93-320-320-0.25-0	0.010" (0.254mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1463-ND	PC93-10-5-0.25	0.010" (0.254mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1481-ND	PC93-20-5-2	0.079" (2.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1465-ND	PC93-19.50-12.70-0.25	0.010" (0.254mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
1168-1475-ND	PC93-24-21.01-1	0.040" (1.02mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
PC93-20-20-4-ND	PC93-20-20-4	0.157" (4.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
PC93-20-20-4-1A-ND	PC93-20-20-4-1A	0.157" (4.00mm)	Non-Silicone	Adhesive	-	Grey	2.0 W/m-K
1168-1484-ND	PC93-24-21.01-2	0.079" (2.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
PC93-100-100-0.25-0-ND	PC93-100-100-0.25-0	0.010" (0.254mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
PC93-100-100-1.0-0-ND	PC93-100-100-1.0-0	0.040" (1.02mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
PC93-100-100-2.0-0-ND	PC93-100-100-2.0-0	0.079" (2.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
PC93-100-100-3.0-0-ND	PC93-100-100-3.0-0	0.118" (3.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
PC93-100-100-5.0-0-ND	PC93-100-100-5.0-0	0.197" (5.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
PC93-300-300-0.25-0-ND	PC93-300-300-0.25-0	0.010" (0.254mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
PC93-300-300-1.0-0-ND	PC93-300-300-1.0-0	0.040" (1.02mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
PC93-320-320-1.0-0-ND	PC93-320-320-1.0-0	0.040" (1.02mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
PC93-300-300-2.0-0-ND	PC93-300-300-2.0-0	0.079" (2.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
PC93-300-300-3.0-0-ND	PC93-300-300-3.0-0	0.118" (3.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K
PC93-300-300-5.0-0-ND	PC93-300-300-5.0-0	0.197" (5.00mm)	Non-Silicone	-	-	Grey	2.0 W/m-K

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