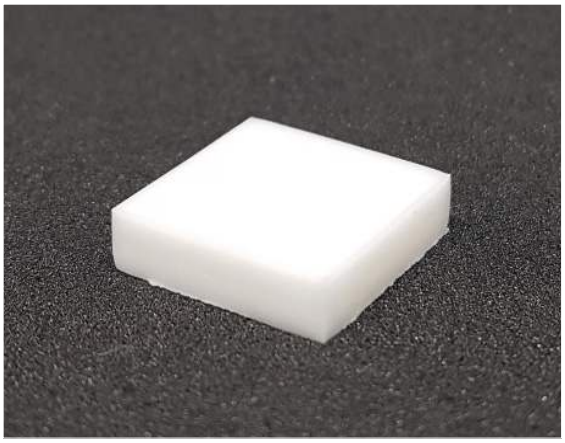
PC96
Non-Silicone Gap Filler

Version 2.130218



Non-Silicone Gap Filler

PC96 is a soft, non-silicone thermal interface pad. PC96 is designed to replace silicone pads when the application could not tolerate silicone outgassing. Such applications include set-top boxes, routers, optical devices and automotive applications. PC96 can be provided in a range of different thicknesses and formats depending on the end use. PC96 may also be provided with either one or two sided adhesive to further facilitate manufacture.

Features

Non-silicone formulation
No outgassing
Low thermal impedance
Low hardness
Available in sheet and custom die cut form

Applications

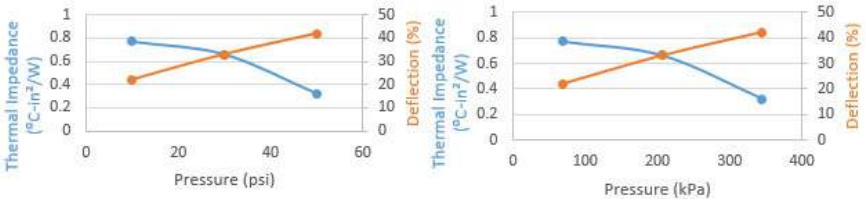
Consumer electronics
Set top boxes
Gaming systems
Digital recording devices

Properties

✓ REACH Compliant
✓ ROHS Compliant

Property	PC96	Unit	Test Method
Appearance	White	-	Visual
Tackiness	No adhesive / 1A / 2A	-	-
Viscosity, Brookfield Cap 2000+, 25°C	Pad	cP	ASTM D445
Operating temperature	-40 to 150	°C	-
Thermal Conductivity	2.5	W/mK	ASTM D5470
Density	1.5	g/cm³	ASTM D792
Hardness	50	Shore 00	ASTM D2240
Shelf Life	36	months	-
Shelf Life with adhesive (can be requalified for further 12)	12	months	-

Thermal Impedance vs Pressure vs Deflection



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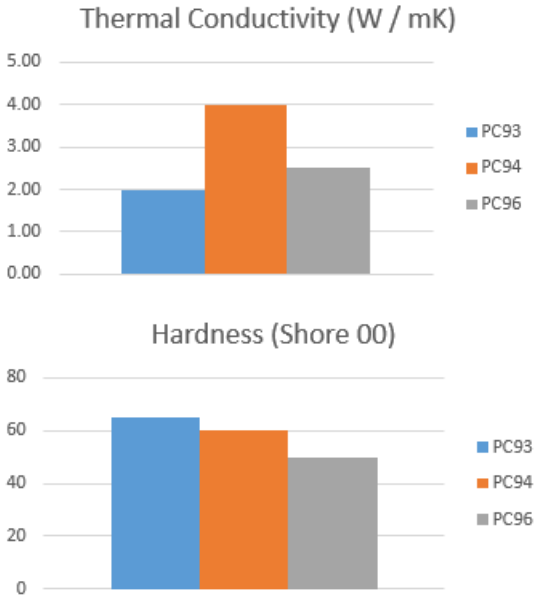
Standard Weights & Dimensional Tolerance

Size	Weight (gr)									
Thickness (mm)	0.25	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0
192x288	23.6	43	84	-	-	-	-	-	-	-
230x230	-	-	-	135	175	220	270	350	437.5	525

Data



	Thickness (mm)	Tolerance (mm)
Die-Cut Thickness Tolerances	0.3	±0.03
	0.5	±0.05
	0.8	±0.08
	1.0	±0.1
	1.2	±0.12
	1.5	±0.15
	2.0	±0.2
	2.5 - 3.5	±0.25
	4.0 - 4.5	±0.3
	5.0	±0.35
	6.0 - 8.0	±0.4
	9.0	±0.45
	10.0	±0.5
	>10.0	±0.5

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

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