

# TG 997 Silicone Thermal Pad

Version 1.131017

## Silicone Thermal Pad

TG-997 is a soft, silicone thermal pad, suitable for use as thermal interface material or heat sink to dissipate the heat from electronic devices, especially in integrated circuit (IC) and LED packaging. TG-997 offers low thermal impedance, good surface compliance and a high dielectric breakdown voltage. This thermal pad has very low hardness and elasticity, and yet provides high thermal conductivity, good high temperature resistance and good electrical insulation. TG997 can be supplied in a wide range of formats ranging from custom die cut parts to standard sheets in a range of thicknesses depending on the end application.

## Features

- Very good thermal conductivity
- Very soft and high compressibility
- Natural tack
- Easy to assemble
- Very good insulator

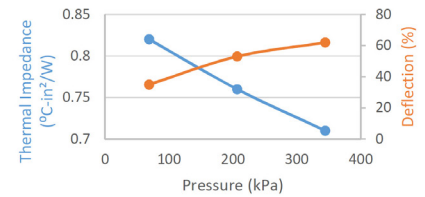
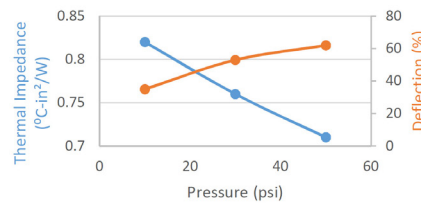
## Applications

Heat dissipation from electronic components.

## Properties

- ✓ REACH Compliant
- ✓ ROHS Compliant

## Thermal Impedance vs Pressure



Property	TG 997	Unit	Tolerance	Test Method
Appearance	Blue	-		-
Operating temperature	-40 to 200	°C		ASTM D412
Thermal Conductivity	2.4	W/mK		ASTM D5470
Density	1.8	g/cm³		ASTM D792
Hardness	10	Shore A		ASTM D4120

## Part Number Information

### TG 997

Product	Length	Width	Thickness
TG 997	288	192	0.5mm-5.0mm

\* All measurements in mm

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## Dimensional Tolerance

<b>Die-Cut Thickness Tolerances</b>	<b>Thickness (mm)</b>	<b>Tolerance (mm)</b>
	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.