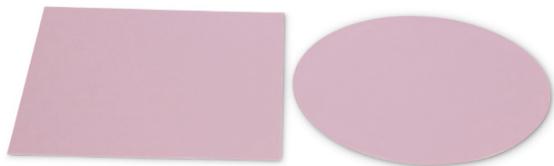




# TG832

## Ultra-Soft Thermal Conductive Pad

Version 2.130218



### Ultra-Soft Thermal Conductive Pad

TG832 is an ultra-soft, silicone based thermal interface material. TG832 has a low thermal impedance, conforms readily to surfaces due to its low hardness and provides a high dielectric breakdown voltage. TG832 can be provided in various thicknesses and formats, such as custom die cuts, standard sheets.

### Features

- Superior thermal conductivity
- Highly compressible
- Naturally tacky
- Low Shore 00 hardness
- Low oil bleed
- Electrically insulating

### 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.

### Properties

- ✓ REACH Compliant
- ✓ ROHS Compliant

Property	TG832	Unit	Tolerance	Test Method
Colour	Pink	-	-	Visual
Thickness	0.5 - 5.0	mm	-	ASTM D374
	0.0197 - 0.1969	inch	-	ASTM D374
Thermal Conductivity	5	W/mK	±0.4	ASTM D5470
Flammability Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	16	kV/mm	±1.5	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	2.3	g/cm <sup>3</sup>	±0.2	ASTM D792
Working Temperature	-45 to 200	°C	-	-
Volume Resistance	>10 <sup>12</sup>	Ohm-cm	-	ASTM D257
Elongation	300	%	-	ASTM D412
Tensile Strength	1	Kgf/cm <sup>2</sup>	-	ASTM D412
Hardness	40	Shore 00	±5	ASTM D2240
Shelf Life	36	months	-	-
Shelf Life with adhesive (can be requalified for further 12)	12	months	-	-

### Part Number Information

Product	Length	Width	Thickness
TG832	288mm	192mm	0.5mm-5.0mm

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