

# GT Series Thermal Pad



## Features

- Smooth surface & low contact resistance
- Usable over a wide temperature range
- Electrical insulation; high breakdown voltage
- Complies with UL standards

## 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 Resistance VS. Pressure VS. Deflection

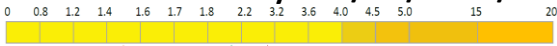
GT15			GT20			GT30		
Pressure (psi)	R(°C-in <sup>2</sup> /W)	Deflection(%)	Pressure (psi)	R(°C-in <sup>2</sup> /W)	Deflection(%)	Pressure (psi)	R(°C-in <sup>2</sup> /W)	Deflection(%)
10	0.685	<2.5	10	0.504	<2.5	10	0.542	<2.5
30	0.499	<2.5	30	0.420	<2.5	30	0.418	<2.5
50	0.391	17	50	0.345	21	50	0.378	6

## Properties

- ✓ REACH Compliant
- ✓ RoHS Compliant
- ✓ UL Compliant

Thermal Conductivity : 1.5/2.0/3.0 W/m.K

Hardness : 90/85/85 (Shore A)



Testing sample thickness: GT15-0.23mm/GT20-0.3mm/GT30-0.35mm

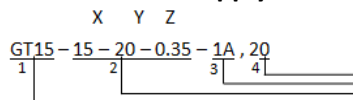
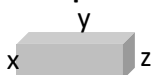
In "Thermal resistance V.S. Pressure V.S. Deflection" chart, GT Series provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. GT Series provides good compliance and softness.

Properties	GT15	GT20	GT30	Unit	Tolerance	Test Method
Thermal Conductivity	1.5	2	3	W / mK	±10%	ASTM D5470
Thickness	0.23	0.3	0.35	mm	-	ASTM D374
Color	Yellow	Green	Pink	-	-	Visual
Flame Rating	V-0	V-0	V-0	-	-	UL 94
Dielectric Breakdown Voltage(AC)	4	4	3	KV / mm	±10%	ASTM D149
Dielectric Breakdown Voltage(DC)	6	6	5	KV / mm	±10%	ASTM D149
Weight Loss	<0.2%	<0.2%	<0.2%	%	-	ASTM E595
Specific Gravity	2.3	2.6	2.8	g / cm <sup>3</sup>	±10%	ASTM D792
Working Temperature	-45~180	-45~180	-45~180	°C	-	-
Volume Resistance	>10 <sup>11</sup>	>10 <sup>11</sup>	>10 <sup>11</sup>	Ohm-cm	-	ASTM D257
Elongation	60	60	30	%	-	ASTM D412
Tensile Strength	200	200	100	Kgf / cm <sup>2</sup>	-	ASTM D412
Standard Shape	Sheet ones	Sheet ones	Sheet ones	-	-	-
Hardness	Shore A 90	Shore A 85	Shore A 85	-	±3	ASTM D2240

Need samples?

Available to apply adhesive

Pre-cut for different shapes



1. Choose the P/N
2. Fill into size: x, y, z
3. Apply the adhesive or not? 0= none, 1A= one side, 2A= two sides
4. Fill the quantity you need

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Thermal Interface Materials: Thermal Pad, Thermal Tape, Thermal Grease, Ceramic Heat Spreader

