

# GT15 - 25-18-0.23 - 0 - PT Thermal Pad



## Features

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

## Applications

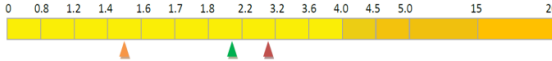
- Electronic components: IC, CPU, MOS, LED
- Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, DVD Applications, Hand-set Applications etc.

## Thermal Resistance VS. Pressure VS. Deflection

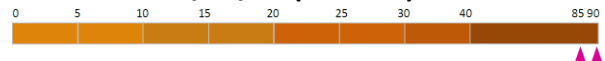
GT15			GT20			GT30		
Pressure (psi)	R(°C-in <sup>2</sup> /W)	Deflection(%)	Pressure (psi)	R(°C-in <sup>2</sup> /W)	Deflection(%)	Pressure (psi)	R(°C-in <sup>2</sup> /W)	Deflection(%)
10	0.69	<2.5	10	0.5	<2.5	10	0.54	<2.5
30	0.5	<2.5	30	0.42	<2.5	30	0.42	<2.5
50	0.4	17	50	0.35	21	50	0.38	6

**Properties** ◆ REACH Compliant ◆ RoHS Compliant ◆ UL Compliant

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



**Hardness : 90/85/85 (Shore A)**



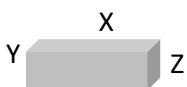
Testing sample thickness: GT15-0.23mm/GT20-0.3mm/GT30-0.35mm

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.

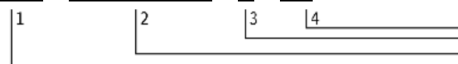
Properties	GT15	GT20	GT30	Unit	Tolerance	Test Method
Thermal Conductivity	1.5	2	3	W / mK	±10%	ASTM D5470
Thickness	0.23	0.3	0.35	mm	-	ASTM D374
Color	Yellow	Green	Pink	-	-	Visual
Flame Rating	V-0	V-0	V-0	-	-	UL 94
Dielectric Breakdown Voltage(AC)	4	4	3	KV	±10%	ASTM D149
Dielectric Breakdown Voltage(DC)	6	6	5	KV	±10%	ASTM D149
Weight Loss	<0.2%	<0.2%	<0.2%	%	-	ASTM E595
Density	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>12</sup>	>10 <sup>12</sup>	>10 <sup>10</sup>	Ohm-m	-	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

Available to apply adhesive

Pre-cut for different shapes



GT15 - 25-18-0.23 - 0 - PT



- Series Number
- Size (mm): X = 25, Y = 18, Z = 0.23
- Applied Adhesive: 0 = NONE
- Authorized Distributor: PT = Prostech

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