

# TG-A1250 - PT

## Ultra Soft Thermal Pad



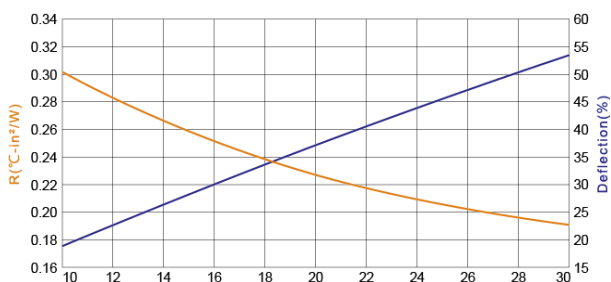
### Features

- High thermal conductivity up to 12.5 W/mK
- Low thermal resistance
- High compressibility and compliancy
- Electrical insulation

### Applications

- Best for high power 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

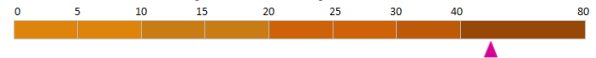
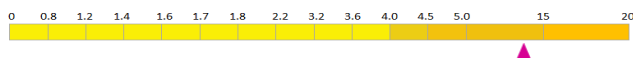


Pressure (psi)	R(°C-in²/W)	Deflection(%)
10	0.304	19
30	0.194	53

### Properties ◆ RoHS Compliant ◆ UL Compliant ◆ REACH Compliant

Thermal Conductivity : 12.5 W / mK

Hardness: 50 (Shore 00)

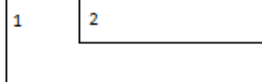


Testing sample thickness: 1.0mm

In "Thermal resistance V.S. Pressure V.S. Deflection" chart, TG-A1250 - PT provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. TG-A1250 - PT provides good compliance and softness.

Properties	TG-A1250 - PT	Unit	Tolerance	Test Method
Thermal Conductivity	12.5	W / mK	±1.3	ASTM D5470
Thickness	0.5~3.0	mm	-	ASTM D374
	0.0197~0.118	inch	-	ASTM D374
Color	green	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	6.5	KV / mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	3.3	g / cm <sup>3</sup>	-	ASTM D792
Working Temperature	-50 ~ +150	°C	-	-
Volume Resistance	1 x 10 <sup>13</sup>	Ohm-m	-	ASTM D257
Elongation	40	%	-	ASTM D412
Standard Shape	Sheet ones	-	-	-
Hardness	50	Shore 00	±8	ASTM D2240

TG-A1250 - PT



1. Series Number
2. Authorized Distributor : PT = Prostech

### T-Global Technology Co., Ltd

No. 33, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330, Taiwan

TEL: +886-3-3618899

www.tglobalthermal.com

FAX: +886-3-3665666

www.tglobal.com.tw

