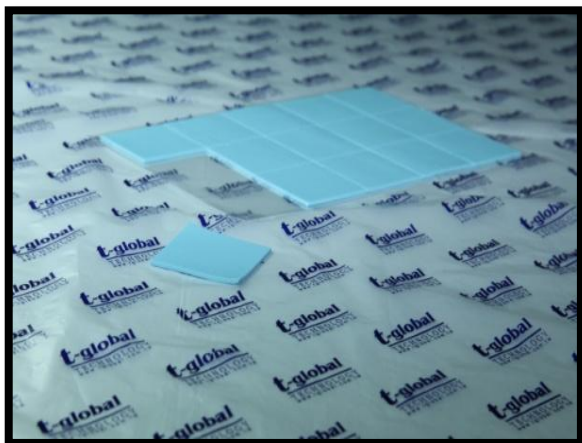


# TG4040HF

## Ultra Soft Thermal Pad



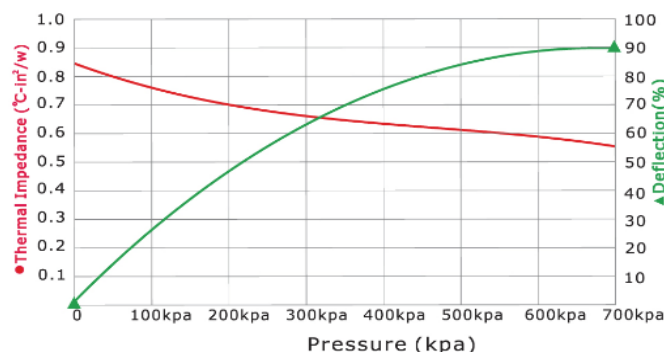
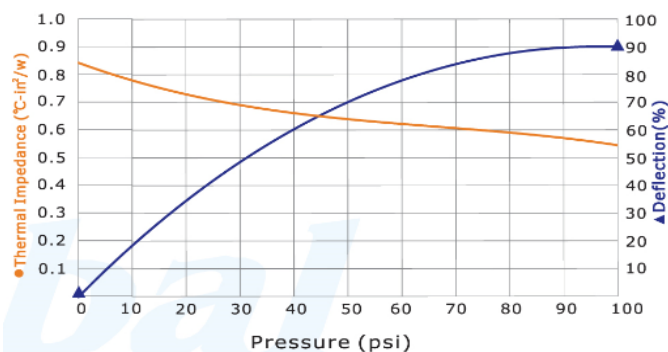
### Features

- Very good thermal conductivity
- Compliance, high compressibility
- Natural tack
- Low hardness (Shore 00)
- Low oil bleed- long term stability
- Electrical insulation

### 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

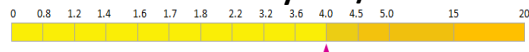


### Properties

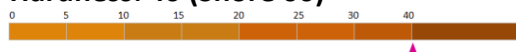
✓ REACH Compliant

✓ RoHS Compliant

Thermal Conductivity: 4W/m.K



Hardness: 40 (Shore 00)

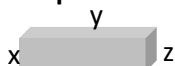


Testing sample thickness: 1.0mm

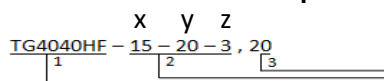
In "Thermal resistance V.S. Pressure V.S. Deflection" chart, TG4040HF provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. TG4040HF provides good compliance and softness.

Properties	TG4040HF	Unit	Tolerance	Test Method
Color	Blue	-	-	Visual
Thickness	0.25~5.0	mm	-	ASTM D374
	0.0099~0.1969	inch	-	ASTM D374
Thermal Conductivity	4	W/m.k	±0.4	ASTM D5470
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	12	kV/mm	±1.2	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Specific Gravity	2.8	g/cm <sup>3</sup>	±0.28	ASTM D792
Working Temperature	-45~+200	°C	-	-
Volume Resistance	>10 <sup>12</sup>	Ohm-cm	-	ASTM D257
Elongation	100	%	±13	ASTM D412
Tensile Strength	1	Kgf/cm <sup>2</sup>	±2	ASTM D412
Standard Shape	-	Sheet ones	-	-
Hardness	40	Shore 00	±5	ASTM D2240

Need samples?



Pre-cut for different shapes



1. Choose the P/N
2. Fill into size: x, y, z
3. Fill the quantity you need

T-Global Technology Co., Ltd

No. 33, Ln. 50, Daren Rd., Taoyuan City, Taoyuan County 33068, Taiwan

TEL: +886-3-3618899

www.tglobalthermal.com

FAX: +886-3-3665666

www.tglobal.com.tw

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

