



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

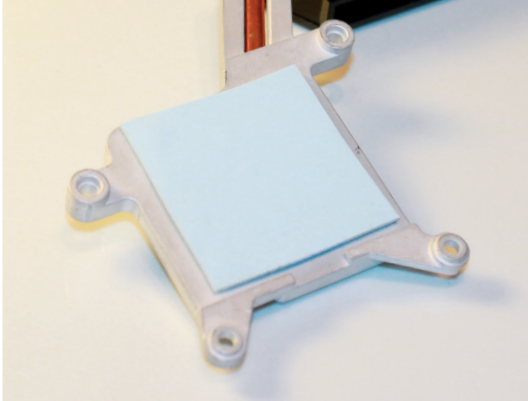
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# TG4040

## Ultra Soft Thermal Conductive Pad on rolls



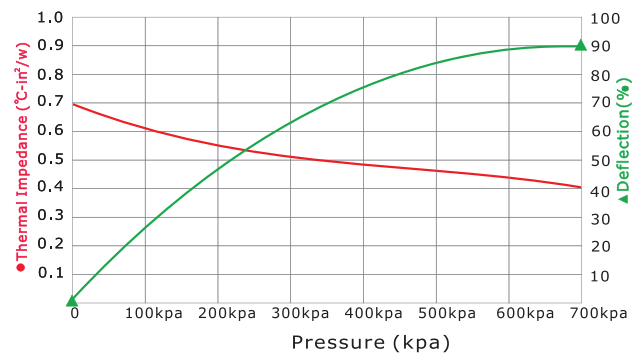
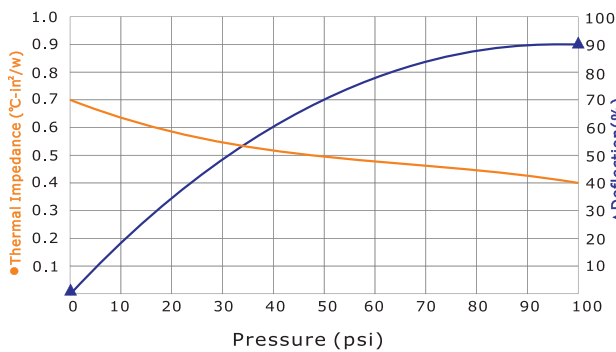
### Features

- 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...

### Thermal Resistance V.S Pressure V.S Deflection

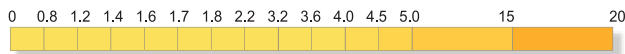


### Properties

- REACH Compliant
- RoHS Compliant

Thermal Conductivity: 4.0 W/m.k  
(W / m.k - Z Axis)

Hardness: 40 (Shore 00)  
(Shore 00)



Testing sample thickness : 1.0 mm



In the thermal resistance vs pressure vs deflection charts TG4040 provides low thermal impedance. As the pressure increases the thermal impedance decreases. TG4040 provides good compliance and softness.

Property	TG4040	Unit	Test Method
Colour	Blue	-	Visual
Thickness (Available thickness range)	0.5 / 1 / 1.5 / 2	mm	ASTM D374
Roll Length / Width	50 - 320	Metres / mm	-
Thermal Conductivity	4	W/m.k	ASTM D5470
Flame Rating	V-0	-	UL 94
Dielectric Breakdown Voltage	15	kV/mm	ASTM D149
Weight Loss	<1	%	ASTM E595
Specific Gravity	2.8	g/cm <sup>3</sup>	ASTM D792
Working Temperature	-45- +200	°C	-
Volume Resistance	>10 <sup>12</sup>	Ohm-cm	ASTM D257
Elongation	100	%	ASTM D412
Tensile Strength	1	Kgf/cm <sup>2</sup>	ASTM D412
Standard Shape	-	Sheet ones	-
Hardness	40	Shore 00	ASTM D2240

Available with an adhesive backing

