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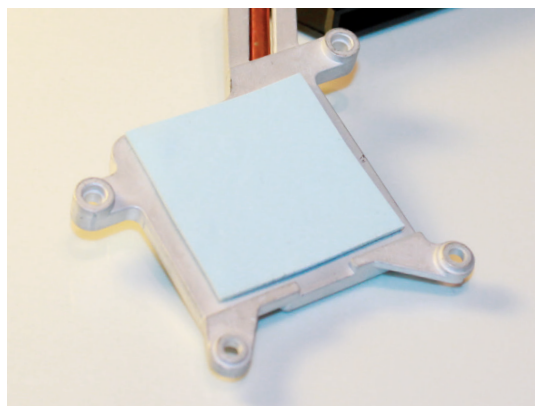
[TG4040-320-320-0.8MM](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

TG4040

Ultra Soft Thermal Conductive Pad



Features

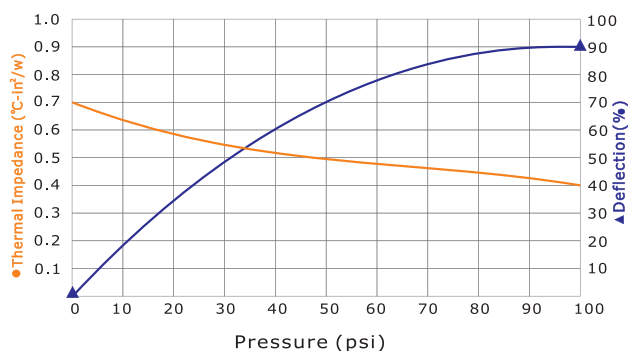
- Superior thermal conductivity
- Highly compressible
- Naturally tacky
- Low Shore 00 hardness
- Low oil bleed
- Electrically insulating

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

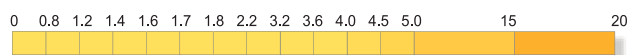


Properties

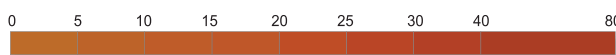
Thermal Conductivity: 4.0 W/mK
(W/mK - Z Axis)

REACH Compliant
RoHS Compliant

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	Tolerance	Test Method
Colour	Blue	-	-	Visual
Thickness (Available thickness range)	0.5 - 5.0	mm	-	ASTM D374
	0.0197 - 0.1969	inch	-	ASTM D374
Thermal Conductivity	4	W/mK	-	ASTM D5470
Flammability Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	15	kV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Specific Gravity	2.8	g/cm³	±0.2	ASTM D792
Working Temperature	-45 to 200	°C	-	-
Volume Resistance	>10 ¹²	Ohm-cm	-	ASTM D257
Elongation	100	%	±13	ASTM D412
Tensile Strength	1	Kgf/cm²	±2	ASTM D412
Standard Shape	-	Sheets 320-320mm	-	-
Hardness	40	Shore 00	±5	ASTM D2240

Available with an adhesive backing

