



TG4040 / TG-A4040 Ultra Soft Thermal Pad

REACH Compliant RoHS Compliant UL Compliant

Features

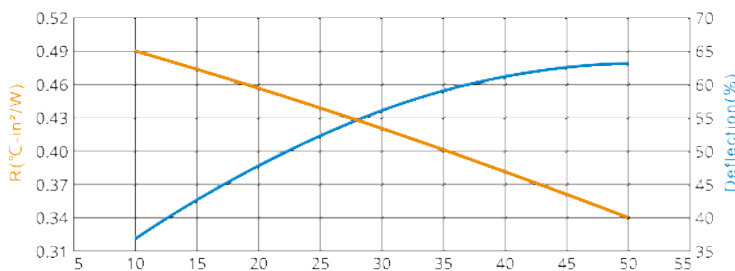
- Good thermal conductivity, Low thermal resistance
- Electrical Insulation
- High compressibility and compliancy
- Increase the performance of electronics

Applications

Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, etc.

Properties

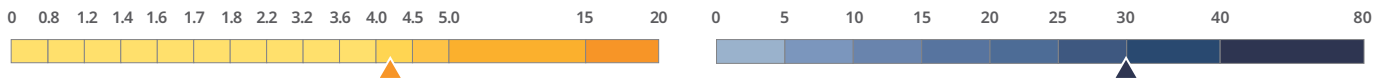
Thermal Resistance vs. Pressure vs. Deflection



Pressure (psi)	R (°C-in²/W)	Deflection (%)
10	0.49	37
30	0.42	56
50	0.34	63

Thermal Conductivity : 4.2 W/mK

Hardness : 30 (Shore 00)



Properties	TG4040 / TG-A4040	Unit	Tolerance	Test Method
Thermal Conductivity	4.2	W/mK	±10%	ASTM D5470
Thickness	0.5~5.0	mm	-	ASTM D374
	0.0197~0.1969	inch	-	ASTM D374
Color	Blue	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	≥15.3	KV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	2.8	g/cm ³	±10%	ASTM D792
Working Temperature	-45~+200	°C	-	-
Volume Resistance	>10 ¹⁰	Ohm-m	-	ASTM D257
Elongation	100	%	-	ASTM D412
Tensile Strength	1	kgf/cm ²	-	ASTM D412
Standard Format	Sheet	-	-	-
Hardness	35	Shore 00	±10	ASTM D2240

※Different tolerances according to the selected thickness
 ※Pre-cut for different shapes

T-Global Technology (Europe & North America) Limited

Units 1-2 Cosford Business Park, Central Park, Lutterworth, Leicestershire, LE17 4QU, United Kingdom
 T +44 (0)1455 553 510 E sales@tglobaltechnology.com W www.tglobaltechnology.com

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