

H48-6 / TG-AH486

Thermal Pad

REACH Compliant RoHS Compliant UL Compliant

Features

- Very good thermal conductivity
- Soft and high compressibility
- Natural tack
- Easy to assemble

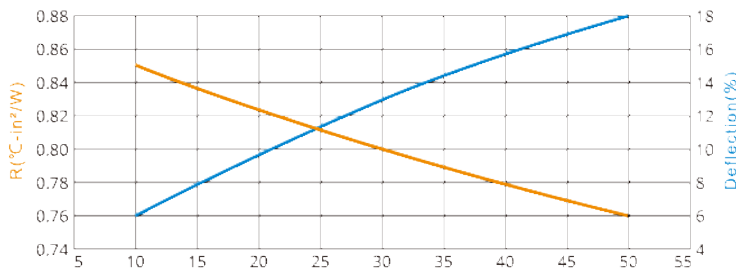
Applications

Products of server, IPC

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

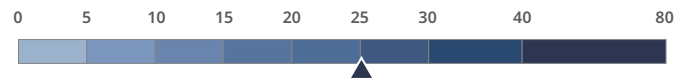
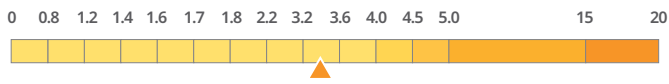
Thermal Resistance vs. Pressure vs. Deflection



Pressure (psi)	R (°C-in²/W)	Deflection (%)
10	0.85	6
30	0.80	13
50	0.76	18

Thermal Conductivity : 3.4 W/mK

Hardness : 25 (Shore A)



Properties	H48-6 / TG-AH486	Unit	Tolerance	Test Method
Thermal Conductivity	3.4	W/mK	±10%	ASTM D5470
Thickness	0.3~20.0	mm	-	ASTM D374
	0.0118~0.787	inch	-	ASTM D374
Color	Dark Gray	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	≥2	KV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	2.42	g/cm³	±10%	ASTM D792
Working Temperature	-40~+200	°C	-	-
Volume Resistance	>10 ¹¹	Ohm-m	-	ASTM D257
Elongation	130	%	-	ASTM D412
Tensile Strength	8	kgf/cm²	-	ASTM D412
Standard Format	Sheet	-	-	-
Hardness	25	Shore A	±5	ASTM D2240

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

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