

H48-2 Thermal Pad



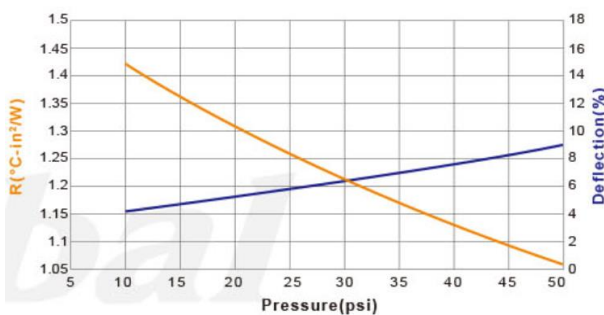
Features

- Good thermal conductivity
- Low oil-bleed
- Moderate hardness
- Good insulator
- Shock & vibration absorber

Applications

Electronic components: IC, CPU, MOS, LED, M/B, P/S, Heat Sink, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, DVD Applications, Hand-set applications etc.

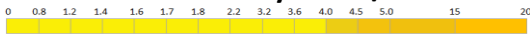
Thermal Resistance VS. Pressure VS. Deflection



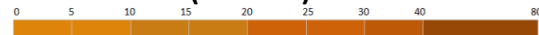
Pressure (psi)	R(°C-in²/W)	Deflection(%)
10	1.43	4
30	1.21	7
50	1.06	9

Properties ◆ REACH Compliant ◆ RoHS Compliant ◆ UL Compliant

Thermal Conductivity: 2.2W/m.K



Hardness: 25 (Shore A)

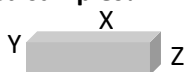


Testing sample thickness: 1.0mm

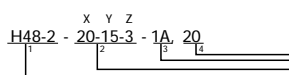
In "Thermal resistance V.S. Pressure V.S. Deflection" chart, H48-2 provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. H48-2 provides good compliance and softness.

Properties	H48-2	Unit	Tolerance	Test Method
Thermal Conductivity	2.2	W / mK	±0.22	ASTM D5470
Thickness	0.3~20	mm	-	ASTM D374
(the thickness can be ordered)	0.0118~0.787	Inch	-	ASTM D374
Color	Dark red	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	5	KV / mm	±0.5	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	2.43	g / cm ³	±0.2	ASTM D792
Working Temperature	-40~+200	°C	-	-
Volume Resistance	>10 ¹²	Ohm-m	-	ASTM D257
Elongation	282	%	-	ASTM D412
Tensile Strength	7	Kgf / cm ²	-	ASTM D412
Standard Shape	Sheet ones	-	-	-
Hardness	25	Shore A	±5	ASTM D2240

Need samples?



Available to apply adhesive



Pre-cut for different shapes

1. Choose the P/N
2. Fill into size: X, Y, Z
3. Apply the adhesive or not? 0=none, 1A=one side, 2A=two sides
4. Fill the quantity you need

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



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