



H48-2 / TG-AH482 Thermal Pad

REACH Compliant RoHS Compliant UL Compliant

Features

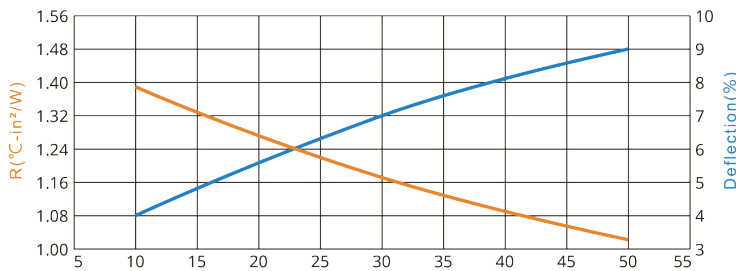
- Good thermal conductivity
- Low oil-bleed
- Good insulator
- Shock & vibration absorber

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

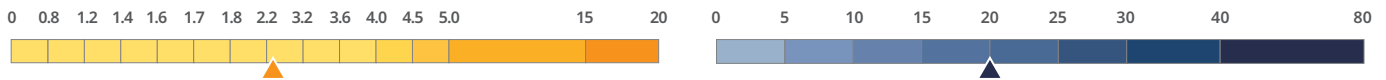
Thermal Resistance vs. Pressure vs. Deflection



Pressure (psi)	R (°C-in²/W)	Deflection (%)
10	1.39	4
30	1.17	7
50	1.03	9

Thermal Conductivity : 2.3 W/mK

Hardness : 20 (Shore A)



Properties	H48-2 / TG-AH482	Unit	Tolerance	Test Method
Thermal Conductivity	2.3	W/mK	±10%	ASTM D5470
Thickness	0.3~20.0	mm	-	ASTM D374
	0.0118~0.787	inch	-	ASTM D374
Colour	Dark Red	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	5.1	KV/mm	±10%	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	2.43	g/cm³	±10%	ASTM D792
Working Temperature	-40~+200	°C	-	-
Volume Resistance	>10 ¹²	Ohm-m	-	ASTM D257
Elongation	282	%	-	ASTM D412
Tensile strength	7	kgf/cm²	-	ASTM D412
Standard Format	Sheet	-	-	-
Hardness	20	Shore A	±2	ASTM D2240

Pre-cut for different shapes

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