



TG-AH482 / H48-2 Thermal Pad

REACH Compliant

RoHS Compliant

UL Compliant

Features

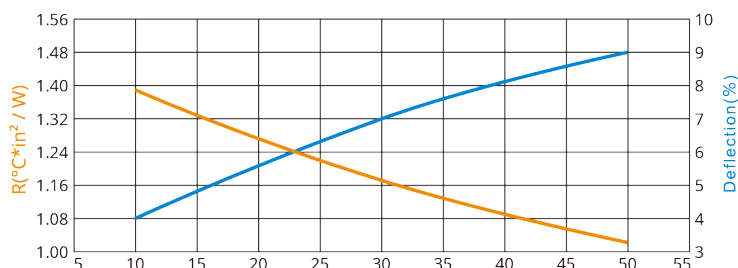
- Good thermal conductivity
- Low oil-bleed
- Good insulator
- Shock & vibration absorber

Application:

Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

Properties

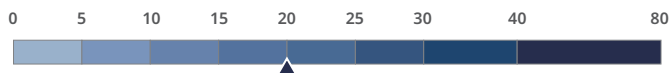
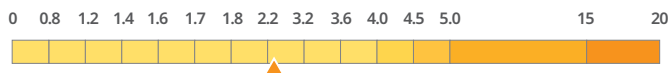
Contact Pressure, Thermal Impedance, and Deflection



Contact Pressure (psi)	Thermal Impedance (°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	Unit	TG-AH482 / H48-2	Tolerance	Test Method
Thermal Conductivity	W/m·K	2.3	±10%	ASTM D5470 Modified
Thickness	mm	0.3~20.0	-	ASTM D374
	inch	0.0118~0.787	-	ASTM D374
Color	-	Dark Red	-	Colorimeter CIE 1976
Flame Rating	-	V-0	-	UL 94
Dielectric Breakdown Voltage	KV/mm	≥5.1	-	ASTM D149
Weight Loss	%	<1	-	ASTM E595 Modified
Density	g/cm³	2.43	±5%	ASTM D792
Operating Temperature	°C	-40~+200	-	-
Volume Resistivity	Ohm-m	>10 ¹²	-	ASTM D257
Elongation	%	282	-	ASTM D412
Tensile strength	kgf/cm²	7	-	ASTM D412
Standard Format	-	Sheet	-	-
Hardness	Shore A	20	±2	ASTM D2240

※For thicknesses less than 1.0mm, hardness will be adjusted to 50-75 Shore OO to facilitate effective removal of liner during production

※Different tolerances according to the selected thickness

※Die-cut for different shapes

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Version19
20230721



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