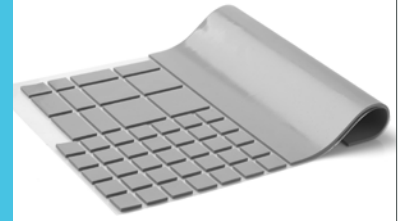


COMPATHERM® PAD 9472



COMPATHERM PAD

Compatherm® Pad 9472 is high conformable and thermal performance pad material. It has high thermal conductivity at 7 W/mK, and stress control at over 50% deflection. It can be used for applications where large tolerance differences create the need for compression of the interface material beyond 50% of its original thickness.

Compatherm® Pad 9472 is naturally tacky on both sides, requiring no adhesive coating to inhibit thermal performance. It can be coated to single side tacky to allow easy material handling and installation.

TYPICAL MATERIAL PROPERTIES

PROPERTY	TEST STANDARD	UNIT	9472
Color	Visual		Light Grey
Thickness ¹⁾	ASTM D374	mm	1-5
Hardness ²⁾	ASTM D2240	Shore00	20
Density	Helium Pycnometer	g/cm ³	2.55
Thermal conductivity	Hot Disk	W/mK	7
Dielectric Breakdown Voltage ³⁾	ASTM D149	VAC/mm	1500
Volume Resistance	ASTM D257		6.7*10 ¹²
Dielectric Constant @ 1MHZ	ASTM D150		6.4
Outgassing, TML	ASTM E595		TBD
Outgassing, CVCM	ASTM E595		TBD
Flammability ⁴⁾	UL94		VO

1) Thickness tolerance, ±10% mm @ nominal thickness greater than 1mm; ± 0.1mm @ nominal thickness less than 1 mm.

2) Thirty second delay.

3) Measured on 1 mm thickness @20 mA

4) Flame rating valid for 0.25 thick sample sandwiched between a PCB and an aluminum plate

Please Note:

Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

FEATURES AND BENEFITS

- 7 W/mK thermal conductivity
- Soft and high compressibility for low stress applications
- Naturally tacky or without tackiness on the carrier side
- Available in thickness from 1 mm to 5mm

APPLICATIONS

- Cooling components to chassis, frame, or other mating components
- Memory modules
- Home and small office network equipment
- Mass storage devices
- Automotive electronics
- Telecommunication hardware
- Radios
- LED solid state lighting
- Power electronics
- LCD and PDP flat panel
- Set top boxes

MODUS ADVANCED TAKES YOU FROM IDEA TO IGNITION



IDEA



ENGINEERING



SOLUTION



IGNITION



PICK A MATERIAL

LET MODUS CUT IT TO SIZE

COMPATHERM® PAD 9472

DESIGN NOTES

Due to material low hardness, It can be used in large tolerance applications up to 50% of compression with low stress. It is recommended to apply pressure slowly in assembly to achieve better interface contact and lower stress. Product flows easily on a wet interface during compression which results in low thermal resistance.

A compression degree of 70% is possible to use, but above that level a thinner gap filler pad is recommended. Excessive compression may result in silicone oil bleeding. It is also recommended to use one and the the same compression degree over the whole surface for the same reason.

ORDERING COMPATHERM®

Compatherm® materials are typically cut into custom shapes based on the application requirements. Modus stocks the full line of materials and can provide cut piece and kit prices based on your unique application. Cut pieces can be delivered kiss cut to a liner or through cut.

APPLICATION PROCEDURE

- Remove the top blue liner from the top surface of the sheet.
- Remove the cut part from the bottom blue liner.
- Place the part on the desired surface of heat sink, heat spreader or component.
- Compatherm's naturally tacky surface will adhere to the surface without having to apply excess pressure.
- Compatherm should not be removed and reused once it's been applied to a surface.

THICKNESS	SHEET SIZE	THERMAL RATING	NOLATO STYLE #	MODUS PART #
1MM	200MM x 200MM	7 W/mK	9472	TM-280-5912
1.5MM	200MM x 200MM	7 W/mK	9472	TM-280-5909
2MM	200MM x 200MM	7 W/mK	9472	TM-280-5908
2.5MM	200MM x 200MM	7 W/mK	9472	TM-280-5910
3MM	200MM x 200MM	7 W/mK	9472	TM-280-5653
4MM	200MM x 200MM	7 W/mK	9472	TM-280-5654
5MM	200MM x 200MM	7 W/mK	9472	TM-280-5655

CUSTOMERS WHO USE COMPATHERM® MAY ALSO BE INTERESTED IN:

EMI SHIELDING

TriShield® COMPASHIELD®



CUSTOMERS ALSO SEARCHED:

gap filler	heat transfer pad
thermal material	thermal interface pad
thermal interface materials	thermally conductive pad
thermal putty	silicone gap filler
thermal conductive pad	conductive pads
gapfiller	thermal pad material
thermal gap pad	silicone thermal pad
thermal gap filler	thermally conductive rubber
thermal interface pad	thermal conductive pads
thermal materials	what is a thermal pad
thermal silicone	

We are Modus! With multiple locations in North America and China, Modus Advanced, Inc. is a diversified custom manufacturer who converts EMI Shielding, Environmental Gasket Materials, Microwave Absorbers, Acoustic Materials, Thermal Interface Materials and other high performance materials into finished parts. Modus utilizes its 40 years as an established provider of high quality, reliable products to create precisely what customers specify. Innovative processes; custom fabrication utilizing performance materials; an on time delivery record of more than 99% means Modus is well positioned to help your company succeed.

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