Compatherm® Pad 9422 is a thermal pad recommended for low-stress applications that require a mid thermal conductive interface material. The compliant material allows the pad to fill in air voids in rough surfaces and stack-up tolerance.

Compatherm Pad 9422 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**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST STANDARD</th>
<th>UNIT</th>
<th>9422</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Visual</td>
<td>Light Blue</td>
<td></td>
</tr>
<tr>
<td>Thickness¹</td>
<td>ASTM D374</td>
<td>mm</td>
<td>0.5-5</td>
</tr>
<tr>
<td>Hardness²</td>
<td>ASTM D2240</td>
<td>Shore00</td>
<td>25</td>
</tr>
<tr>
<td>Density</td>
<td>Helium Pycnometer</td>
<td>g/cm³</td>
<td>2.73</td>
</tr>
<tr>
<td>Thermal conductivity</td>
<td>Hot Disk</td>
<td>W/mK</td>
<td>2</td>
</tr>
<tr>
<td>Dielectric Breakdown Voltage / mm³⁰</td>
<td>ASTM D149</td>
<td>VAC</td>
<td>5000</td>
</tr>
<tr>
<td>Volume Resistance</td>
<td>ASTM D257</td>
<td></td>
<td>4⁻¹⁵⁶</td>
</tr>
<tr>
<td>Dielectric Constant @ 1MHzZ</td>
<td>ASTM D150</td>
<td></td>
<td>3.96</td>
</tr>
<tr>
<td>Outgassing, TML</td>
<td>UL94</td>
<td></td>
<td>0.1%</td>
</tr>
<tr>
<td>Flammability⁴</td>
<td></td>
<td></td>
<td>V0</td>
</tr>
</tbody>
</table>

1) Thickness tolerance, ±10% mm @ nominal thickness greater than 1mm; ± 0.1mm @ nominal thickness less than 1mm.
2) Thirty second delay
3) Measured on 1 mm thickness @20 mA
4) Flame rating valid for 0.25mm thick samples sandwiched between a PCB and an aluminium plate.

**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

**FEATURES AND BENEFITS**

- 2 W/mK thermal conductivity
- High compliant for low stress applications
- Soft hardness for low stress applications
- Nature tacky or no tacky on carrier side
- Available in thickness from 0.5mm to 5mm

Please Note:

Observed performance may vary in certain circumstances. It is recommended that customers test the material with their specific applications.
Nolato is an advanced high-tech polymer partner with operations in Europe, Asia and North America. We develop and manufacture products in materials such as plastic, silicone and TPE. Our customer offering comprises everything from concept development, product design and process optimization to high-volume production, post-processing, assembly and logistics.

**STORAGE CONDITIONS**

- The material can be stored one year after receipt at normal room temperature and humidity.

**APPLICATION PROCEDURE**

- Remove the top PET liner from the top surface of the sheet.
- With fingers remove the die cut part from the bottom PET liner.
- Place the part in the desired surface of heat sink, heat spreader of component.
- The stickiness of the material will assure that it adheres to the surface without need of high pressure.
- Do not press the part too hard when applying it to assure that height of the material is not destroyed.
- Once applied, it is not recommended to remove and re-use the Compatherm part as it has low material stability.
- If needed, peel off the part from the surface by hand and replace it with a new one.

**REPAIR PROCEDURE**

- At room temperature slide or pull or twist the heatsink to separate it from the PCB.
- After separation, remove both surfaces with a plastic tool to remove the bulk of material.
- Clean both surfaces with tissue wiper.
- Apply a new Compatherm part.

**CUSTOMERS WHO USE COMPATHERM® MAY ALSO BE INTERESTED IN:**

**EMI SHIELDING**

**CUSTOMERS ALSO SEARCHED:**

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

**THE NOLATO GROUP**

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We are Modus! With multiple locations in North America and China, Modus Advanced, Inc. is a diversified custom manufacturer that 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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