Selecting the right 3M™ Thermally Conductive Acrylic Interface Pads

For devices that deliver consistent reliability and performance, you need thermal management materials that stand up to a lifetime of heat. Our 3M™ Thermally Conductive Acrylic Interface Pads are engineered to provide high levels of conductivity that make them appropriate for a wide range of uses that help speed device assembly and extend component life.

Conformable for easy handling, these pads can be die cut to fit most applications. All are UL listed and offer excellent dielectric strength.

### 3M™ Thermally Conductive Acrylic Interface Pads Selection Guide

<table>
<thead>
<tr>
<th>Series Number</th>
<th>Thickness (mm)</th>
<th>Color</th>
<th>Thermal Conductivity (W/m-K)*</th>
<th>Thermal Impedance (C-cm²/W)**</th>
<th>Hardness (Shore 00)</th>
<th>Dielectric Strength (kV/mm)</th>
<th>Volume Resistivity (ohms-cm)</th>
<th>UL Rating***</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>5570N</td>
<td>0.5, 1.0, 1.5, 2.0</td>
<td>White with light gray dots</td>
<td>1.3</td>
<td>4.3, 7.6, 10.9</td>
<td>50</td>
<td>20</td>
<td>2.9 x 10²</td>
<td>V2 (0.5mm)</td>
<td>V0 (≥1.0mm) Automotive; TV/Display; Data storage</td>
</tr>
<tr>
<td>5571N</td>
<td>0.5</td>
<td>Yellowish white</td>
<td>2.0</td>
<td>5.2</td>
<td>70</td>
<td>13</td>
<td>3.3 x 10²</td>
<td>V2</td>
<td>Automotive; TV/Display; Data storage</td>
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<tr>
<td>5571</td>
<td>0.75, 1.0, 1.5, 2.0</td>
<td>Yellowish white</td>
<td>2.0</td>
<td>5.2, 8.0, 10.8, 13.6</td>
<td>70</td>
<td>13</td>
<td>3.3 x 10²</td>
<td>V0</td>
<td>Automotive; TV/Display; Data storage</td>
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<tr>
<td>5589H</td>
<td>1.0, 1.5</td>
<td>White/Light gray</td>
<td>2.0</td>
<td>8.6, 10.8</td>
<td>50</td>
<td>21</td>
<td>3.4 x 10²</td>
<td>V0</td>
<td>Automotive; TV/Display; LED; Data storage; Battery</td>
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<tr>
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<td>0.5, 1.0, 1.5</td>
<td>White/Light gray</td>
<td>3.0</td>
<td>3.0, 4.5, 6.1</td>
<td>60</td>
<td>16</td>
<td>2.7 x 10²</td>
<td>V0</td>
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<td>3.0</td>
<td>No data</td>
<td>60</td>
<td>16</td>
<td>5.9 x 10²</td>
<td>V0</td>
<td>Automotive; TV/Display; Data storage</td>
</tr>
<tr>
<td>5578H</td>
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<td>3.5</td>
<td>5.4</td>
<td>70</td>
<td>19</td>
<td>1.7 x 10²</td>
<td>V0</td>
<td>Automotive; TV/Display; Data storage</td>
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<tr>
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<td>3.0</td>
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<td>55</td>
<td>18</td>
<td>15 x 10²</td>
<td>V0</td>
<td>Automotive</td>
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<tr>
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<td>No data</td>
<td>50</td>
<td>19</td>
<td>4.9 x 10²</td>
<td>V0</td>
<td>Automotive</td>
</tr>
</tbody>
</table>

*Tested in accordance with 3M Test Method. Contact your 3M Technical Representative for details.

**Thermal impedance is measured with the test sample under a nominal 10 psi pressure to reflect a typical end use application.

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Safety Data Sheet: Consult Safety Data Sheet prior to use.

We are confident that 3M has the right solution for your thermal management application. If your needs aren’t reflected in this guide, custom options are available. To learn more about 3M™ Thermally Conductive Acrylic Interface Pads, visit 3M.com/Electronics.

Have questions? Need technical assistance? We’re here to help! Contact your 3M technical service representative for more information.

Safety Data Sheet: Consult Safety Data Sheet prior to use.

Regulatory: For regulatory information about this product, contact your 3M representative.

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3M™ Thermally Conductive Acrylic Interface Pads

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60-5005-053-7
11/2017