**Features and Benefits**

- **Thermal conductivity:** 0.8 W/m-K
- **Conformable, low hardness**
- **Enhanced puncture, shear and tear resistance**
- **Electrically isolating**

Gap Pad VO Soft is recommended for applications that require a minimum amount of pressure on components. Gap Pad VO Soft is a highly conformable, low-modulus, filled-silicone polymer on a rubber-coated fiberglass carrier. The material can be used as an interface where one side is in contact with a ledged device.

*Note:* Resultant thickness is defined as the final gap thickness of the application.

**Typical Applications Include:**
- Telecommunications
- Computer and peripherals
- Power conversion
- Between heat-generating semiconductors or magnetic components and a heat sink
- Area where heat needs to be transferred to a frame, chassis, or other type of heat spreader

**Configurations Available:**
- Sheet form and die-cut parts

**Building a Part Number**

<table>
<thead>
<tr>
<th>Section A</th>
<th>Section B</th>
<th>Section C</th>
<th>Section D</th>
<th>Section E</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPVO S</td>
<td>0.060</td>
<td>AC</td>
<td>00</td>
<td>AC ME10256 Rev. a</td>
</tr>
</tbody>
</table>

**Standard Options**

- **GPOVOS = Gap Pad VO Soft**
- **AC = Adhesive on Sil-Pad® side, natural tack on one side**
- **00 = No pressure sensitive adhesive, natural tack on one side**
- **0816 = Standard sheet size 8” x 16”, or 00 = custom configuration**

**TYPICAL PROPERTIES OF GAP PAD VO SOFT**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>IMPERIAL VALUE</th>
<th>METRIC VALUE</th>
<th>TEST METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Mauve/Pink</td>
<td>Mauve/Pink</td>
<td>Visual</td>
</tr>
<tr>
<td>Reinforcement Carrier</td>
<td>Sil-Pad</td>
<td>Sil-Pad</td>
<td>—</td>
</tr>
<tr>
<td>Thickness (inch) / (mm)</td>
<td>0.020 to 0.200</td>
<td>0.508 to 5.080</td>
<td>ASTM D374</td>
</tr>
<tr>
<td>Inherent Surface Tack (1- or 2-sided)</td>
<td>1</td>
<td>1</td>
<td>—</td>
</tr>
<tr>
<td>Density (g/cc)</td>
<td>1.6</td>
<td>1.6</td>
<td>ASTM D 792</td>
</tr>
<tr>
<td>Heat Capacity (J/g-K)</td>
<td>1.0</td>
<td>1.0</td>
<td>ASTM E1269</td>
</tr>
<tr>
<td>Hardness, Bulk Rubber (Shore 00) (1)</td>
<td>25</td>
<td>25</td>
<td>ASTM D 2240</td>
</tr>
<tr>
<td>Young's Modulus (psi) / (kPa) (2)</td>
<td>40</td>
<td>275</td>
<td>ASTM D 575</td>
</tr>
</tbody>
</table>

**ELECTRICAL**

- **Dielectric Breakdown Voltage (Vac)** >6000 | >6000 | ASTM D 149 |
- **Dielectric Constant (1000 Hz)** | 5.5 | 5.5 | ASTM D 150 |
- **Volume Resistivity (O hm-meter)** | 1010 | 1010 | ASTM D 257 |
- **Flame Rating** | V-O | V-O | U.L. 94 |

**THERMAL**

- **Thermal Conductivity (W/m-K)** | 0.8 | 0.8 | ASTM D 5470 |

1) Thirty second delay value Shore 00 hardness scale.
2) Young's Modulus, calculated using 0.01 in/min, deep rate of strain with a sample size of 0.79 inch. For more information on Gap Pad modulus, refer to Bergquist Application Note #116.

**Note:** To build a part number, visit our website at www.bergquistcompany.com.