Non-Silicone Thermal Putty
NSP-25 is a one-part, fully cured non-silicone gap filler with has been designed to reduce the time to market and overall cost of ownership for production processes.

NSP-25 is ready for dispensing which gives a significantly simpler design process and allows products to be brought to market with reduced lead-times. This product is also ideally suited for automation and T-Global Technology offers a complete turn-key solution to support this. This product provides:

- A low thermal impedance, when compared to traditional gap filler, for a wide range of gaps, which allows a greater degree of design flexibility to be achieved
- Proven reliability under conditions of thermal cycling, shock and vibration
- Deflects easily under low pressures which decreases stress on fragile or delicate components

Features
Shapeable and compressible
Low thermal resistance
High viscosity
Available in cartridges (30cc, 55cc) and pails (2.1kg, 9kg, 36kg)

Applications
Consumer electronics, Automotive, Set-top boxes, IP routers, ECUs, Memory and Power modules

Properties
• REACH Compliant
• ROHS Compliant

<table>
<thead>
<tr>
<th>Property</th>
<th>TG-NSP25</th>
<th>Unit</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Grey</td>
<td>-</td>
<td>Visual</td>
</tr>
<tr>
<td>Flow Rate, 30cc syringe with no tip, 2.54mm orifice 621 Kpa</td>
<td>60</td>
<td>g/min</td>
<td>T-Global</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>2.7</td>
<td>-</td>
<td>ASTM D792</td>
</tr>
<tr>
<td>Typical bond line thickness</td>
<td>0.1</td>
<td>mm</td>
<td>T-Global</td>
</tr>
<tr>
<td>Thermal Conductivity</td>
<td>2.5</td>
<td>W/mk</td>
<td>ASTM D5470</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-40 - 200</td>
<td>C</td>
<td>T-Global</td>
</tr>
<tr>
<td>Volume resistivity</td>
<td>2.15 x 1015</td>
<td>Ohm-cm</td>
<td>ASTM D257</td>
</tr>
<tr>
<td>Flammability Rating</td>
<td>V-0 (pending)</td>
<td>-</td>
<td>UL94</td>
</tr>
<tr>
<td>ROHS Compliant</td>
<td>Yes</td>
<td>-</td>
<td>T-Global</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>60</td>
<td>months</td>
<td>T-Global</td>
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</tbody>
</table>

Standard Packaging

<table>
<thead>
<tr>
<th>Size</th>
<th>Pot</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>Cartridges</td>
<td>30cc</td>
<td>55cc</td>
</tr>
<tr>
<td>Pails</td>
<td>-</td>
<td>2.1kg</td>
</tr>
</tbody>
</table>

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