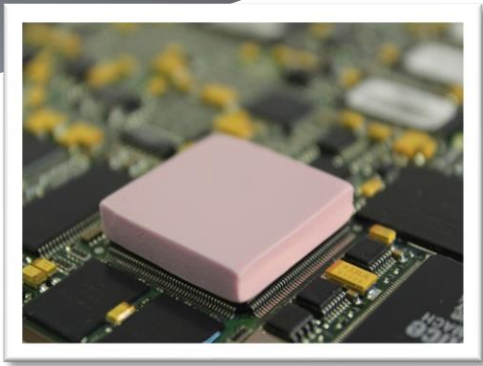


# UniGap 1700US

## Compliant Gap Filler



**UniGap 1700US** is an ultra soft gap filling material formulated to thermally connect sensitive components and devices to nearby metal work or a cold wall.

**UniGap 1700US** delivers excellent vibration dampening properties that protect pressure sensitive heat generating components from dimensional changes. Its softness allows for varying component heights and sizes to conform to the surface texture of the material. **UniGap 1700US** delivers 1.7W/mK thermal conductivity and is ideal for applications that require a combination of good temperature stability, large temperature excursions and vibration dampening.

### Features

- Extremely compliant and electrically insulating
- Thermal conductivity = 1.7W/mK
- Naturally tacky, no need for adhesive
- Softness permits coupling of multiple height components to nearby metal work

### Availability

- Thicknesses of 0.5mm to 6.0mm
- Available as custom die-cut shapes and standard sheet sizes of 609mm x 609mm

### Benefits

- Superb elastic reverse properties and soft surfaces protects sensitive components from dimensional changes and pressure exertions during operation
- Interfacial thermal resistance is reduced to a minimum
- Compliant and easy to apply

### Recommended Uses

- Any gap filling requirement where heat generating components are sensitive to pressure changes
- Cooling power devices in AC-DC and DC-DC PSUs
- Cooling digital signal processing (DSP) units

### Typical Physical Properties

| Property (unit)                                     | Test Method | UniGap 1700US |
|-----------------------------------------------------|-------------|---------------|
| Colour                                              | Visual      | Pink          |
| Thermal Conductivity (W/mK)                         | ASTM D5470  | 1.7           |
| Hardness (Shore 00)                                 | ASTM D2240  | 30            |
| Thermal Impedance (°C-in <sup>2</sup> /W @ 80 mils) | ASTM D5470  | 1.90          |
| Operating Temp. (°C)                                | -           | -50 to +200   |
| Flame Rating                                        | UL94        | V-0           |

### Electrical and Mechanical Information

| Property (unit)              | Test Method | UniGap 1700US |
|------------------------------|-------------|---------------|
| Breakdown Voltage (Volts AC) | ASTM D149   | >5000         |
| Elongation (%)               | ASTM D412   | 85            |
| Dielectric Constant (@1MHz)  | ASTM D150   | 5.0           |
| Outgassing CVCN (%)          | ASTM E595   | 0.08          |



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This material is often used in these industries:

