



PS-2612

Product Description:

P-THERM® PS-2612 is a soft silicone based thermally conductive gap filler with an embedded fiberglass support and 125 micron removable polyester carrier.

Construction / Properties:

| General | Property | Value | Test Method |
|---------|--------------------------------|-----------------|-------------|
| | Color | Blue | Visual |
| | Thickness Range | 0.5 mm - 5.0 mm | ASTM D374 |
| | Carrier Type | Polyester Film | -- |
| | Carrier Thickness | 125 micron | -- |
| | Density (g/cc) | 2.03 | ASTM D792 |
| | Heat Capacity (J/g K) | 0.068 | ASTM E1269 |
| | Hardness (Shore 00) | 16 | ASTM D2240 |
| | Total Mass Loss (@ 125C/24hrs) | 0.28% | ASTM E595** |
| | Flammability Rating | V-0 | UL 94 |
| | Continuous Use Conditions (C) | -40 - 200 | QSP-754 |

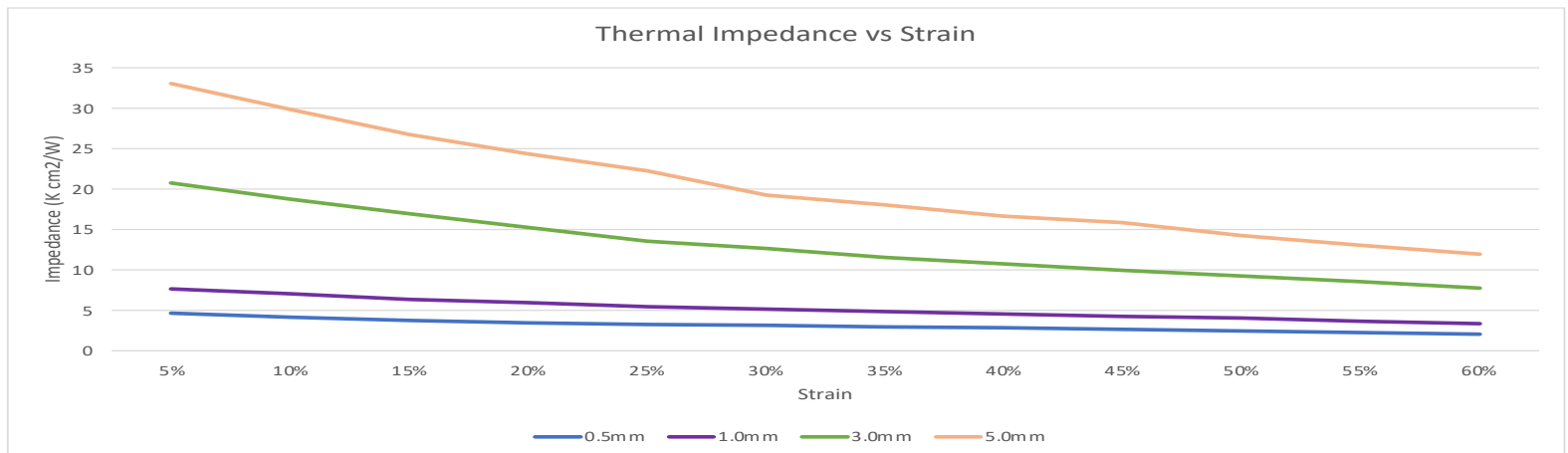
| Electrical | Property | Value | Test Method |
|--------------------------------|---------------------------------------|-----------|-------------|
| | Dielectric Breakdown Strength (kV/mm) | 4.5 | ASTM D149 |
| Volume Resistivity (ohm-meter) | 1.0E+10 | ASTM D257 | |

| Thermal | Property | Value | Test Method | |
|--|---------------------------------------|---------|-------------|---------------|
| | Thermal Conductivity | 2 W/m K | ASTM D5470* | |
| | Thermal Performance vs. Strain | | | |
| Deflection (% Strain) | 10 | 20 | 30 | ASTM D5470*** |
| Thermal Impedance (K cm ² /W) @ 1mm | 7.08 | 5.95 | 5.19 | |

* Thermal conductivity tested at 20% strain.

** Tested at atmospheric pressure

*** Values tested include interfacial thermal resistance: Application performance is directly related to surface roughness, flatness and pressure applied.

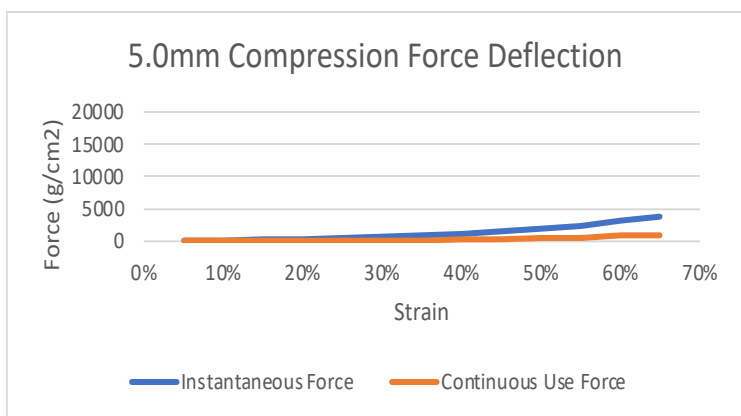
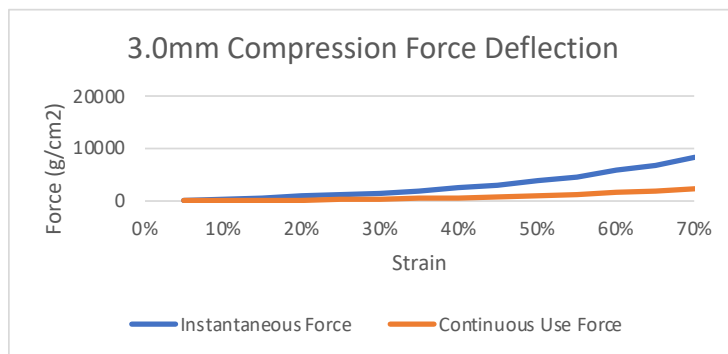
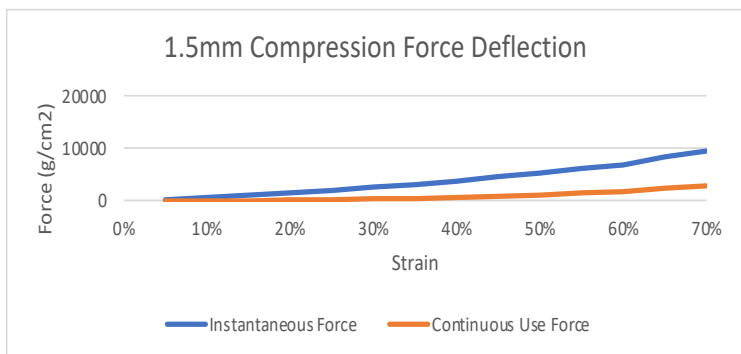
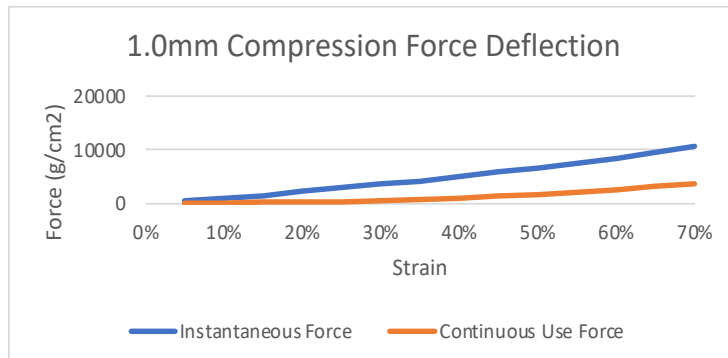
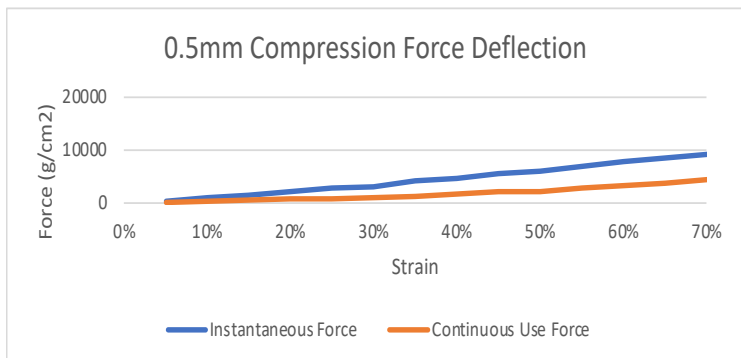
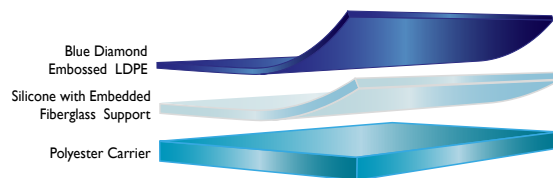


Features:

- Good Thermal Conductivity
- Excellent Compression Characteristics
- Excellent Wet-Out
- Superb Flexibility
- Excellent Converting Properties
- RoHS and HF Compliant

Applications:

- LED Lighting
- Battery Components
- Infotainment Modules
- Smartphones
- Tablets
- Computers
- Digital Personal Assistants
- Automotive Lighting



The information provided in this technical data sheet is provided for reference only. Specific tests should be performed by the end user to determine product performance, safety, and stability for the particular application.

For Additional Information:

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 Revision: 021224

