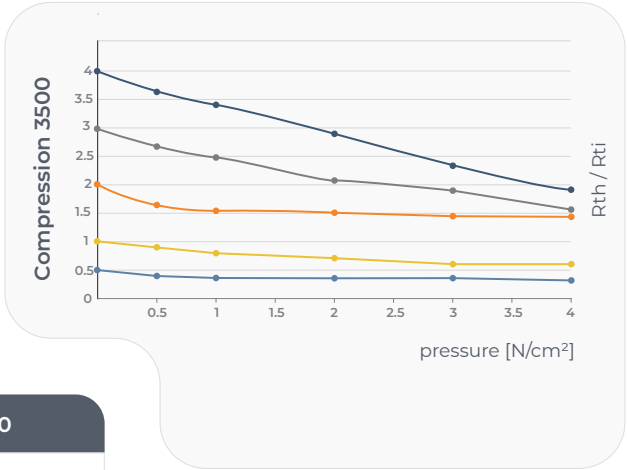
# SOFTTHERM® 3500
## Silicone Gap Pad

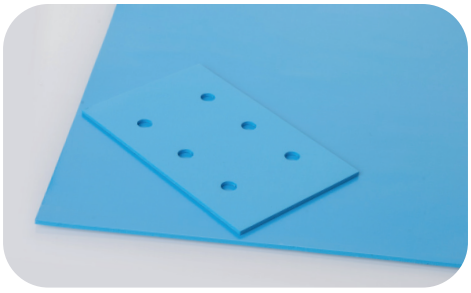


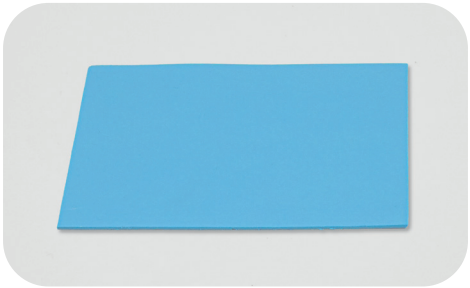

## Benefits

- Low thermal resistance
- Good price performance ratio
- Elastic behavior

| Properties | Unit | 3500 |
|---|---|---|
| Colour | | azure |
| Assembly | | single layer |
| **Thermal Properties*** | | |
| Thermal resistance $R_{th}$ | K/W | 0,82 |
| Thermal conductivity λ | W/mK | 3.5 |
| **Electrical Properties**** | | |
| Dielectric breakdown voltage $U_{d; AC}$ | kV | 5.0 |
| Volume resistivity | Ωm | 8.1 x $10^{10}$ |
| Dielectric loss factor tan δ | | 0.3 |
| Dielectric constant $\varepsilon_r$ | | 3.3 |
| **Mechanical Properties*** | | |
| Hardness | Shore 00 | 45 - 65 |
| **Physical Properties** | | |
| Application temperature | °C | -40 to +200 |
| Density | g/cm³ | 2.9 |
| Total mass loss (TML) | Ma.-% | < 0.1 |
| Flame rating | UL-94 | V - 0 |
| Possible thickness | mm | 1.0 - 4.0 |

* Measured @ thickness 1 mm  ** Measured @ thickness 0.5 mm





At maximum pressure, Gap Pads (SOFTTHERM® Films) should not be compressed beyond 30% of the original thickness. In case the material should be compressed more than 30%, the SOFTTHERM® material may leak out.

Data for engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.