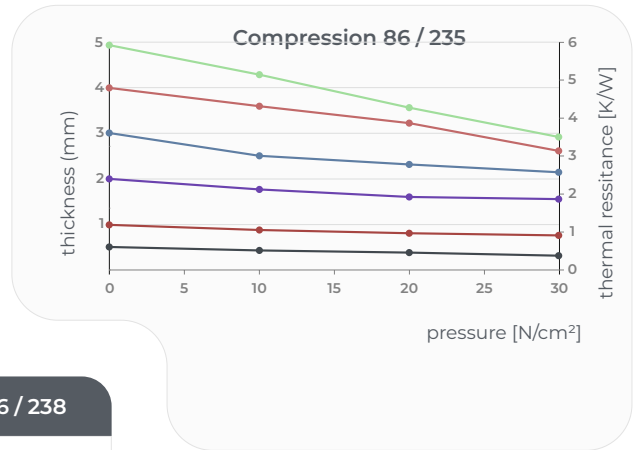


86 / 235 & 86 / 238

Silicone Gap Pad

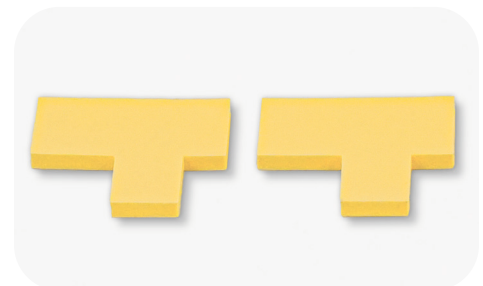
Benefits

- low TML
- Very soft to compensate mechanical impacts like vibrations
- Elastic behavior
- Also available as a double layer material



| Properties | Unit | 86 / 235 | 86 / 238 |
|---|---------------------------------|--|---|
| Colour | | yellow | pink / yellow |
| Assembly | | single layer, fibre glass reinforcement up to 2.0 mm | double layer carrier film 86/52 in 0.125 mm |
| Thermal Properties* | | | |
| Thermal resistance R_{th} | K/W | 1.2 | 1.2 |
| Thermal impedance R_{ti} | $^{\circ}\text{Cmm}^2/\text{W}$ | 240 | 240 |
| | Kin^2/W | 0.37 | 0.37 |
| Thermal conductivity λ | W/mK | 2.0 | 2.0 |
| Electrical Properties** | | | |
| Dielectric breakdown voltage $U_{d,AC}$ | kV | 6.0 | 6.0 |
| Volume resistivity | Ωm | 1.7×10^{11} | 4.7×10^{11} |
| Dielectric loss factor $\tan \delta$ | | 2.0×10^{-2} | 1.0×10^{-3} |
| Dielectric constant ϵ_r | | 3.7 | 1.9 |
| Mechanical Properties | | | |
| Hardness | Shore 00 | 25 - 45 | 25 - 45 |
| Young's modulus | N/cm^2 | 32 | 122 |
| Physical Properties | | | |
| Application temperature | $^{\circ}\text{C}$ | -40 to +200 | -40 to +200 |
| Density | g/cm^3 | 1.65 | 1.65 |
| Total mass loss (TML) | Ma.-% | < 0.10 | < 0.05 |
| Flame rating | UL-94 | V-0 | V-0 |
| Possible thickness | mm | 0.5 - 5.0 | 0.5 - 5.0 |

* 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.