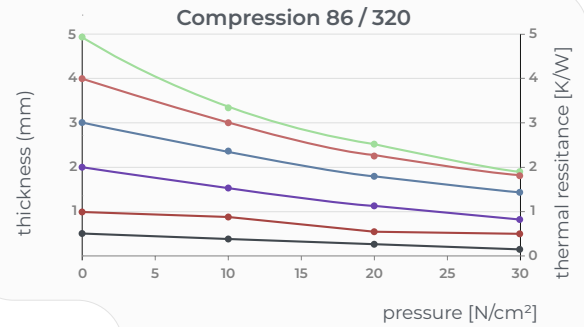


86 / 320

Silicone Gap Pad

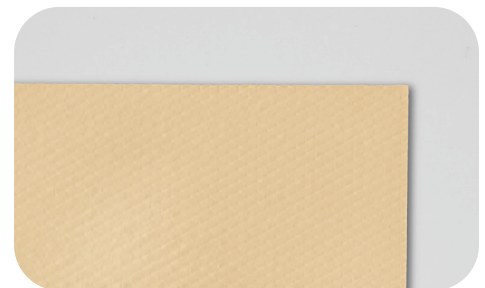
Benefits

- Good compromise between softness and thermal conductivity
- Very soft to compensate mechanical impacts like vibrations
- Elastic behavior



Properties	Unit	86 / 320
Colour		yellow
Assembly		single layer, fibreglass reinforcement up to 1.5 mm
Electrical Properties*		
Thermal resistance R_{th}	K/W	1.0
Thermal resistance R_{ti}	°Cmm²/W	147
	Kin²/W	0.23
Thermal conductivity λ	W/mK	2.5
Electrical Properties**		
Dielectric breakdown voltage $U_{d,AC}$	kV	5.0
Volume resistivity	Ωm	6.8×10^{11}
Dielectric loss factor $\tan \delta$		2.9×10^{-2}
Dielectric constant ϵ_r		3.4
Mechanical Properties*		
Hardness	Shore 00	25 - 38
Young's modulus	N/cm²	32
Physical Properties		
Application temperature	°C	-40 to +180
Density	g/cm³	1.69
Total mass loss (TML)	Ma.-%	< 0.46
Possible thickness	mm	1.0 - 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.