

86 / 320

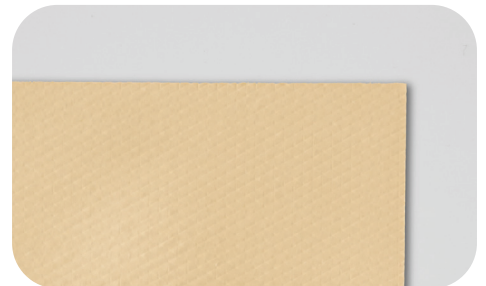
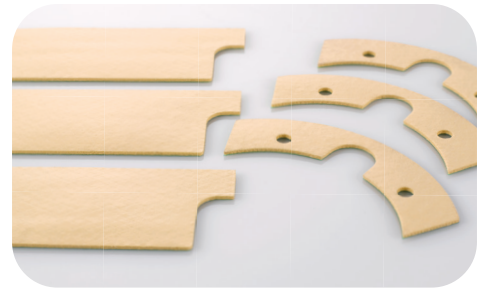
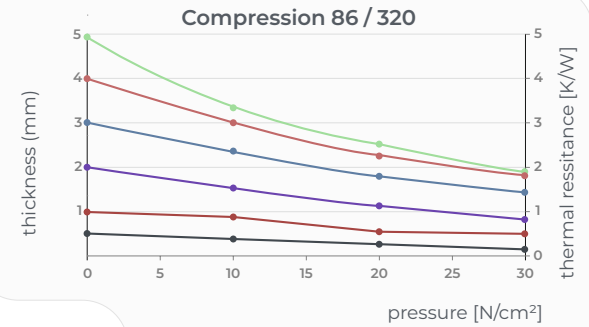
Silicone Gap Pad

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
Thermal Properties*		
Thermal resistance R_{th}	K/W	1.0
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/cm ²	32
Physical Properties		
Application temperature	°C	-40 to +180
Density	g/cm ³	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.

Note

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The specifications provided in this data sheet do not constitute a guarantee or warranty of specific product properties („quality guarantee“). These specifications are derived from our standardized testing procedures conducted under controlled laboratory conditions and are intended to describe the typical properties of the products as expected under standard applications. Variations may occur depending on the specific application. Accordingly, it is the responsibility of the customer to test and evaluate the products for their intended use, and adjustments to the application may be required.

The customer assumes full responsibility for the safety and functionality of their applications in which these products are integrated. Appropriate safety measures must be implemented to prevent bodily injury, fire, or other damages resulting from product defects. The customer is also responsible for ensuring that the design of their application complies with all applicable laws, regulations, codes, and standards.

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