

# 86 / 450

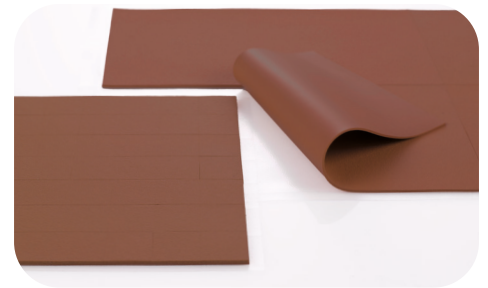
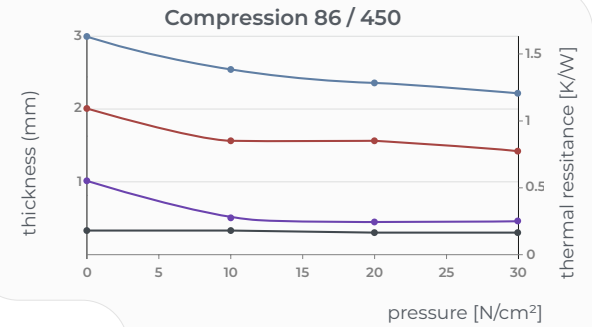
## Silicone Gap Pad

### Benefits

- Low thermal resistance
- High mechanical stability
- Elastic behavior

Properties	Unit	86 / 450
Colour		brown
Assembly		single layer
<b>Thermal Properties*</b>		
Thermal resistance $R_{th}$	K/W	0.54
Thermal conductivity $\lambda$	W/mK	4.5
<b>Electrical Properties**</b>		
Dielectric breakdown voltage $U_{d,ac}$	kV	5.0
Volume resistivity	$\Omega m$	$3.6 \times 10^{12}$
Dielectric loss factor $\tan \delta$		$3.0 \times 10^{-3}$
Dielectric constant $\epsilon_r$		2.5
<b>Mechanical Properties*</b>		
Hardness	Shore 00	65 - 75
Young's modulus	N/cm <sup>2</sup>	95
<b>Physical Properties</b>		
Application temperature	°C	-40 to +180
Density	g/cm <sup>3</sup>	1.32
Total mass loss (TML)	Ma.-%	< 0.4
Flame rating	UL-94	V-0
Possible thickness	mm	0.5 - 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.

## Note

### Disclaimer of Warranties and Limitation of Liability

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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