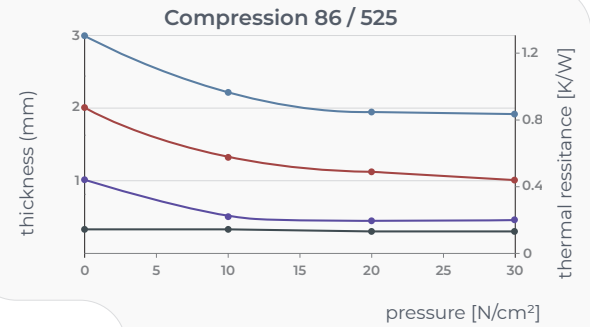


# 86 / 525

## Silicone Gap Pad

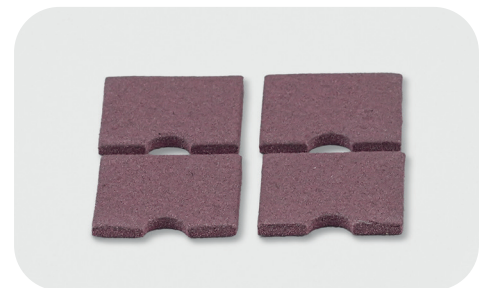
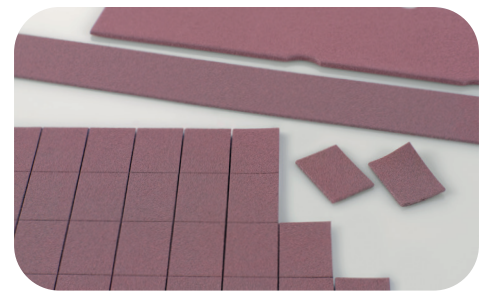
### Benefits

- Low thermal resistance
- High compensation of surface roughness
- Plastic behavior
- Non sticky, available with adhesive coating



Properties	Unit	86 / 525
Colour		violet
Assembly		single layer
<b>Thermal Properties*</b>		
Thermal resistance $R_{th}$	K/W	0.44
Thermal conductivity $\lambda$	W/mK	5.5
<b>Electrical Properties**</b>		
Dielectric breakdown voltage $U_{d,ac}$	kV	1.25
Volume resistivity	$\Omega m$	$1.6 \times 10^{13}$
Dielectric loss factor $\tan \delta$		$1.0 \times 10^{-3}$
Dielectric constant $\epsilon_r$		2.7
<b>Mechanical Properties*</b>		
Hardness	Shore 00	50 - 65
Young's modulus	N/cm <sup>2</sup>	99
<b>Physical Properties</b>		
Application temperature	°C	-40 to +180
Density	g/cm <sup>3</sup>	1.18
Total mass loss (TML)	Ma.-%	< 0.35
Flame rating	UL-94	V-0
Possible thickness	mm	0.5 - 3.0

\* 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.