

# 86/125 & 86/128

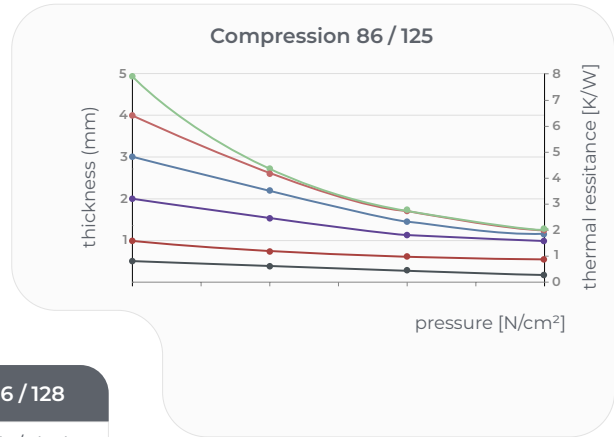
## Silicone Gap Pad

### Benefits

- Low cost solution
- Very low Hardness
- Elastic behavior
- Also available as a double layer material

Properties	Unit	86 / 125	86 / 128
Colour		dark orange	pink / dark orange
Assembly		single layer, fibre glass reinforcement up to 4.0 mm	double layer carrier film 86/52 in 0.125 mm
<b>Thermal Properties*</b>			
Thermal resistance $R_{th}$	K/W	1.6	1.6
Thermal conductivity $\lambda$	W/mK	1.5	1.5
<b>Electrical Properties**</b>			
Dielectric breakdown voltage $U_{d,AC}$	kV	6.0	6.0
Volume resistivity	$\Omega m$	$6.1 \times 10^{10}$	$1.8 \times 10^{12}$
Dielectric loss factor $\tan \delta$		$1.5 \times 10^{-1}$	$1.0 \times 10^{-3}$
Dielectric constant $\epsilon_r$		4.3	2.3
<b>Mechanical Properties</b>			
Hardness	Shore 00	10-25	10-25
Young´s modulus	N/cm <sup>2</sup>	24	67
<b>Physical Properties</b>			
Application temperature	°C	-40 to +180	-40 to +180
Density	g/cm <sup>3</sup>	2.0	1.9
Total mass loss (TML)	Ma.-%	< 0.29	< 0.29
Flame rating	UL-94	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.

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