

86/125 & 86/128

Silicone Gap Pad

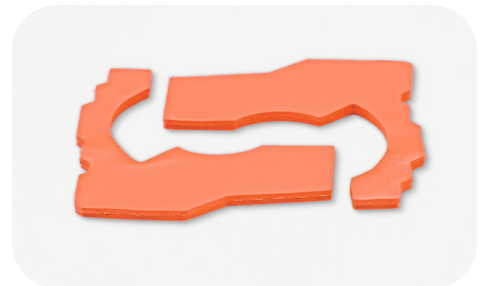
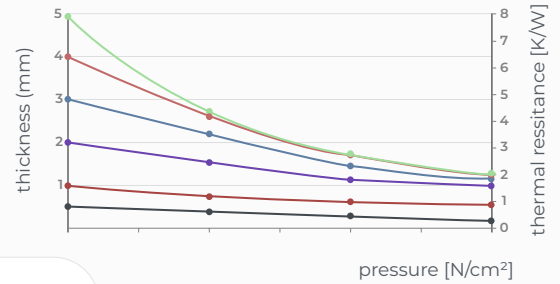
Benefits

- 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
Thermal Properties*			
Thermal resistance R_{th}	K/W	1.6	1.6
Thermal conductivity λ	W/mK	1.5	1.5
Electrical Properties**			
Dielectric breakdown voltage $U_{d,AC}$	kV	6.0	6.0
Volume resistivity	Ωm	6.1×10^{10}	1.8×10^{12}
Dielectric loss factor $\tan \delta$		1.5×10^{-1}	1.0×10^{-3}
Dielectric constant ϵ_r		4.3	2.3
Mechanical Properties			
Hardness	Shore 00	10 - 25	10 - 25
Young's modulus	N/cm ²	24	67
Physical Properties			
Application temperature	°C	-40 to +180	-40 to +180
Density	g/cm ³	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

Compression 86 /125



! 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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