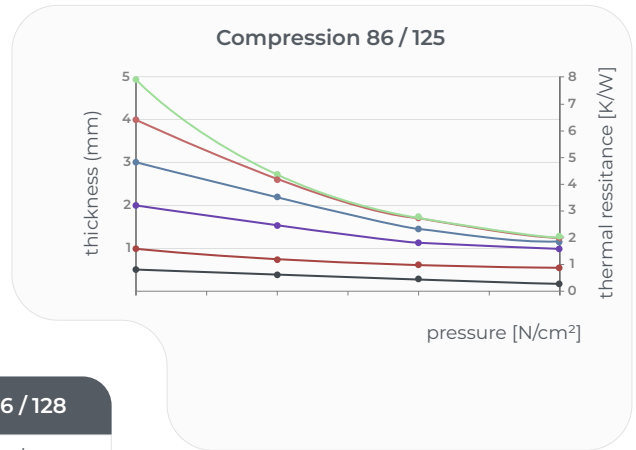


86/125 & 86/128

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 impedance R_{ti}	$^{\circ}\text{Cmm}^2/\text{W}$	322	322
	Kin^2/W	0.5	0.5
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	$^{\circ}\text{C}$	-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	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.