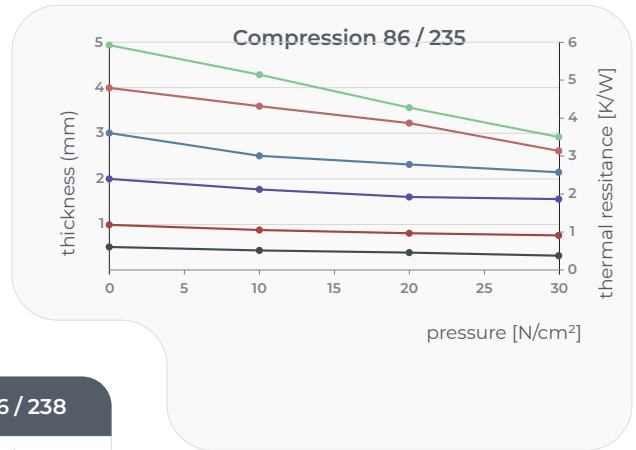


86 / 235 & 86 / 238

Silicone Gap Pad

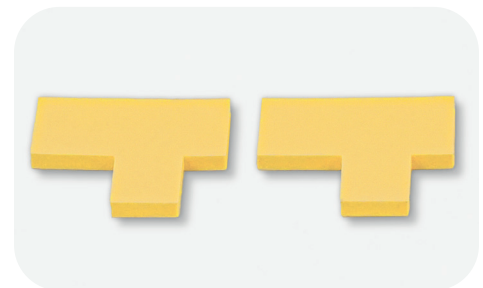
Benefits

- low TML
- Very soft to compensate mechanical impacts like vibrations
- Elastic behavior
- Also available as a double layer material



Properties	Unit	86 / 235	86 / 238
Colour		yellow	pink / yellow
Assembly		single layer, fibre glass reinforcement up to 2.0 mm	double layer carrier film 86/52 in 0.125 mm
Thermal Properties*			
Thermal resistance R_{th}	K/W	1.2	1.2
Thermal conductivity λ	W/mK	2.0	2.0
Electrical Properties**			
Dielectric breakdown voltage $U_{d,AC}$	kV	6.0	6.0
Volume resistivity	Ωm	1.7×10^{11}	4.7×10^{11}
Dielectric loss factor $\tan \delta$		2.0×10^{-2}	1.0×10^{-3}
Dielectric constant ϵ_r		3.7	1.9
Mechanical Properties			
Hardness	Shore 00	25 - 45	25 - 45
Young's modulus	N/cm²	32	122
Physical Properties			
Application temperature	°C	-40 to +200	-40 to +200
Density	g/cm³	1.65	1.65
Total mass loss (TML)	Ma.-%	< 0.10	< 0.05
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.