

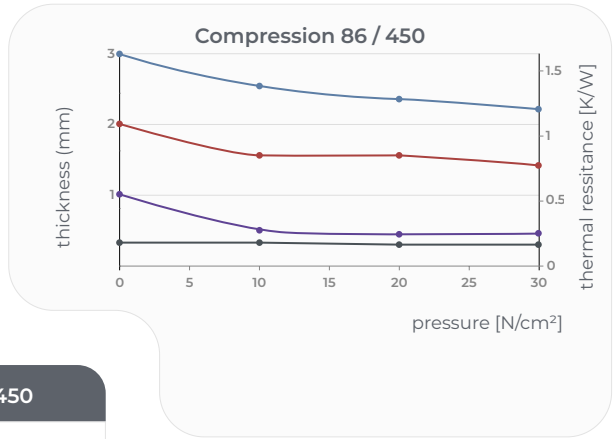
86 / 450

Silicone Gap Pad

MHW INTERNATIONAL CORPORATION
A POWERFUL SOLUTION

Benefits

- Low thermal resistance
- High mechanical stability
- Elastic behavior



Properties	Unit	86 / 450
Colour		brown
Assembly		single layer
Thermal Properties*		
Thermal resistance R_{th}	K/W	0.54
Thermal conductivity λ	W/mK	4.5
Electrical Properties**		
Dielectric breakdown voltage $U_{d,ac}$	kV	5.0
Volume resistivity	Ωm	3.6×10^{12}
Dielectric loss factor $\tan \delta$		3.0×10^{-3}
Dielectric constant ϵ_r		2.5
Mechanical Properties*		
Hardness	Shore 00	65 - 75
Young's modulus	N/cm²	95
Physical Properties		
Application temperature	°C	-40 to +180
Density	g/cm³	1.32
Total mass loss (TML)	Ma.-%	< 0.4
Flame rating	UL-94	V-0
Possible thickness	mm	0.5 - 4.0

* 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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