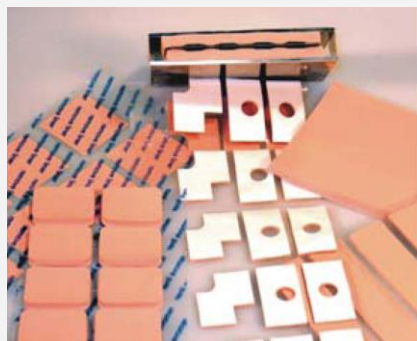


Softtherm®: 86/255 & 86/250

High Thermal Conductivity



This group of Softtherm® was created as a result of intensive collaboration with our customers. The films are characterized by their high thermal conductivity and the varying levels of hardness of the materials.

APPLICATIONS

- RD-RAM Memory Module
- Heat Pipe Thermal Solutions
- Automotive Engine
- Control Units
- Plasma Supply Console

DISCLAIMER: Purchaser shall be solely responsible for determining the adequacy of the product for any and all uses which the purchaser shall apply the product, and the application of the product by the purchaser shall not be subject to any implied warranty of fitness for that purpose.

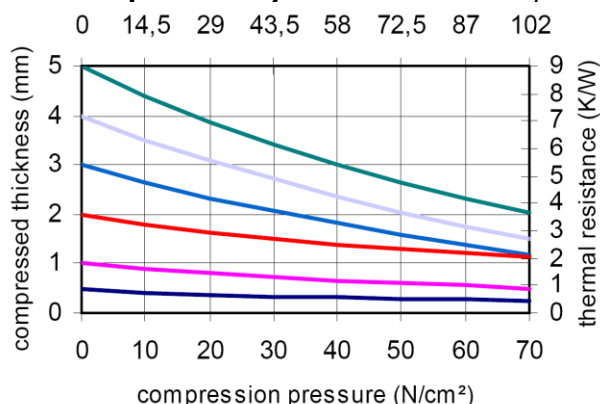
Available with Optional Adhesive!

* **Available Thicknesses:** 0.5 – 5.0 mm

Properties	symbol	unit	86/255	86/250
Color			white/red	white/red
Thermal Properties				
Thermal Resistance	R_{th}	K/W	0.85	0.95
Thermal Impedance	R_{ti}	$^{\circ}\text{Cmm}^2/\text{W}$	250	385
		Kin^2/W	0.39	0.60
Thermal Conductivity	λ	W/mK	2.0	1.3
Electrical Properties				
Breakdown Voltage	$U_{d;ac}$	kV	10.0	8.0
Dielectric Breakdown	$E_{d;ac}$	kV/mm	20	16
Volume Resistivity		Ωcm	1.0×10^{11}	1.0×10^{11}
Dielectric Loss Factor	$\tan \delta$	1	2.5×10^{-3}	2.5×10^{-3}
Dielectric Constant	ϵ_r	1	3.8	3.8
Mechanical Properties				
Measured Thickness ($\pm 10\%$)		mm	0.5	0.5
Hardness		Shore A	30 - 40	45 - 55
Youngs Modulus **		N/cm ²	30	15
Physical Properties				
Density		g/cm ³	1.8	1.76
Application Temperature		$^{\circ}\text{C}$	-60 to +180	-60 to +200
Total Mass Loss (TML)		Ma.-%	< 0.44	< 0.42
Flame class		UL	94V-1	-

** **Youngs Modulus:** sample size 30mmx30mmx2.5mm; variable contact pressure; compression 50% of the measured thickness

Compressibility of Softtherm® 86/255:



Compressibility of Softtherm® 86/250:

