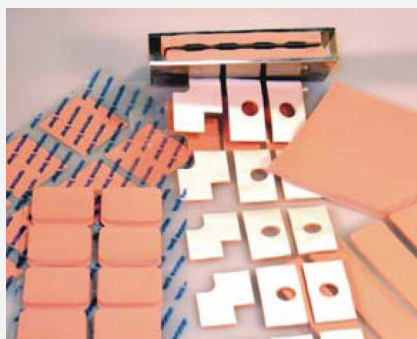


Softtherm®: 86/255 & 86/250

High Thermal Conductivity



These films offer a cost-effective alternative to the standard films in the Softtherm® series. The films are characterized by their thermal and electrical properties and good plasticity.

APPLICATIONS

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

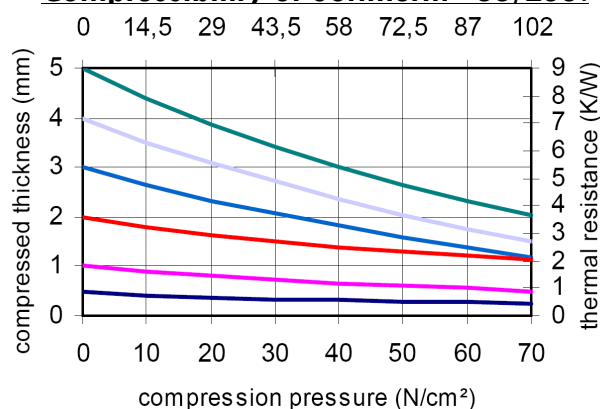
DISCLAIMER: Purchaser shall be solely responsible for determining the adequacy of the product for any and all uses which the purchaser shall apply the product, and the application of the product by the purchaser shall not be subject to any implied warranty of fitness for that purpose.

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}	$^{\circ}\text{Cmm}^2/\text{W}$ Kin^2/W	250 0.39	385 0.60
Thermal Conductivity	λ	W/mK	2.0	1.3
Electrical Properties				
Breakdown Voltage	$U_{d;ac}$	kV	10.0	8.0
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				
Thickness ($\pm 10\%$)		mm	0.5*	0.5*
Hardness		Shore A	30	45
Youngs Modulus **		N/cm ²	276	138
Physical Properties				
Application Temperature		$^{\circ}\text{C}$	-60 to +200	-60 to +200
Total Mass Loss (TML)		Ma.-%	< 0.50	< 0.42
Flame class		UL	94V-1	-

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

*** Available Thicknesses:** 0.5 – 5.0 mm
Available with Optional Adhesive!

Compressibility of Softtherm® 86/255:



Compressibility of Softtherm® 86/250:

