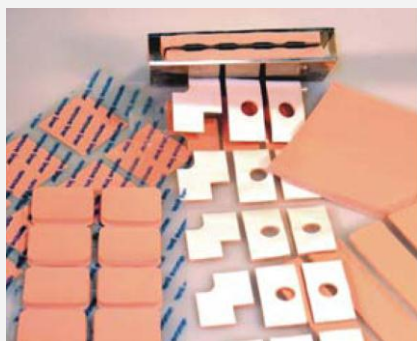


## Softtherm®: 86/255 & 86/250

### 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.

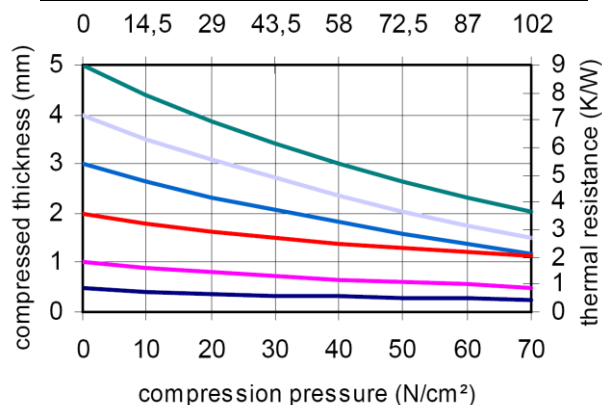
**Available with Optional Adhesive!**

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

Properties	symbol	unit	86/255	86/250
Color			white/red	white/red
<b>Thermal Properties</b>				
Thermal Resistance	$R_{th}$	K/W	0.85	0.95
Thermal Impedance	$R_{ti}$	$^{\circ}Cmm^2/W$	250	385
		$Kin^2/W$	0.39	0.60
Thermal Conductivity	$\lambda$	W/mK	2.0	1.3
<b>Electrical Properties</b>				
Breakdown Voltage	$U_{d;ac}$	kV	10.0	8.0
Dielectric Breakdown	$E_{d;ac}$	kV/mm	20	16
Volume Resistivity		$\Omega cm$	$1.0 \times 10^{11}$	$1.0 \times 10^{11}$
Dielectric Loss Factor	$\tan \delta$	1	$2.5 \times 10^{-3}$	$2.5 \times 10^{-3}$
Dielectric Constant	$\epsilon_r$	1	3.8	3.8
<b>Mechanical Properties</b>				
Measured Thickness ( $\pm 10\%$ )		mm	0.5	0.5
Hardness		Shore A	30 - 40	45 - 55
Youngs Modulus **		N/cm <sup>2</sup>	30	15
<b>Physical Properties</b>				
Density		g/cm <sup>3</sup>	1.8	1.76
Application Temperature		$^{\circ}C$	-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:**

