

Softtherm[®] Standard: 86/200 & 86/210lb



A group of highly elastic, ceramic-filled films. They are characterized by their excellent compressibility, their optimum plasticity with good thermal conductivity and good electrical properties. These films are especially suitable for compensating differences in planarity of the components or pressure sensitive applications.

The film type 86/210lb is also characterized by its optimized outgassing and low bleeding behaviour.

APPLICATIONS

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

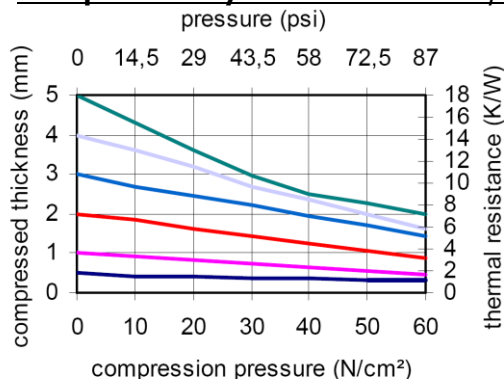
DISCLAIMER: Purchaser shall be solely responsible for determining the adequacy of the product for any and all uses which the purchaser shall apply the product, and the application of the product by the purchaser shall not be subject to any implied warranty of fitness for that purpose.

Properties	symbol	unit	86/200	86/210lb
Color			pink/yellow	pink/yellow
Thermal Properties				
Thermal Resistance	R_{th}	K/W	1.50	1.50
Thermal Impedance	R_{ti}	$^{\circ}Cmm^2/W$ Kin^2/W	500 0.77	500 0.77
Thermal Conductivity	λ	W/mK	1.0	1.0
Electrical Properties				
Breakdown Voltage	$U_{d;ac}$	kV	8.0	8.0
Dielectric Breakdown	$E_{d;ac}$	kV/mm	16	16
Volume Resistivity		Ωcm	1.0×10^{11}	1.0×10^{11}
Dielectric Loss Factor	$\tan \delta$	1	1.5×10^{-3}	1.5×10^{-3}
Dielectric Constant	ϵ_r	1	3.9	3.9
Mechanical Properties				
Thickness ($\pm 10\%$)		mm	0.5*	0.5*
Hardness		Shore 00	10 - 20	15 - 25
Youngs Modulus **		N/cm ²	22	77
Physical Properties				
Density		g/cm ³	1.61	1.62
Application Temperature		$^{\circ}C$	-60 to +200	-60 to +200
Total Mass Loss (TML)		Ma.-%	< 0.40	< 0.24
Flame class		UL	94V-0	94V-1
Possible Thickness		mm	0.5 - 5.0	0.5 - 5.0

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

Available with Optional Adhesive!

Compressibility of Softtherm[®] 86/200:



Compressibility of Softtherm[®] 86/210lb:

