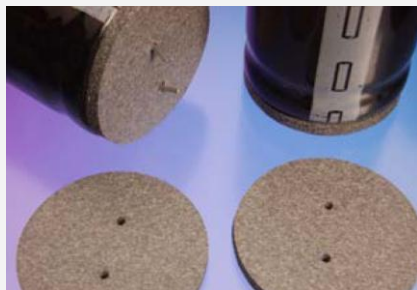


## Softtherm®: 86/202 & 86/212lb Low Cost



These films offer a cost-effective alternative to the standard films in the Softtherm® - 200 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	86/202	86/212lb
Color			grey	grey
<b>Thermal Properties</b>				
Thermal Resistance	$R_{th}$	K/W	0.90	0.90
Thermal Impedance	$R_{ti}$	$^{\circ}\text{Cmm}^2/\text{W}$	357	357
		$\text{Kin}^2/\text{W}$	0.55	0.55
Thermal Conductivity	$\lambda$	W/mK	1.4	1.4
<b>Electrical Properties</b>				
Breakdown Voltage	$U_{d;ac}$	kV	2.5	2.0
Dielectric Breakdown	$E_{d;ac}$	kV/mm	5	4
Volume Resistivity		$\Omega\text{cm}$	$2.7 \times 10^{12}$	$1.2 \times 10^{15}$
Dielectric Loss Factor	$\tan \delta$	1	$6.0 \times 10^{-3}$	$4.5 \times 10^{-4}$
Dielectric Constant	$\epsilon_r$	1	4.2	2.68
<b>Mechanical Properties</b>				
Measured Thickness ( $\pm 10\%$ )		mm	0.5*	0.5*
Hardness		Shore 00	20 - 30	25 - 35
Youngs Modulus		$\text{N/cm}^3$	47	39
<b>Physical Properties</b>				
Density		$\text{g/cm}^3$	1.46	1.46
Application Temperature		$^{\circ}\text{C}$	-60 to +200	-60 to +200
TML		Ma.-%	< 0.50	< 0.25
Flame class		UL	94V-0	-

\* Available Thicknesses: 0.5 – 5.0 mm

