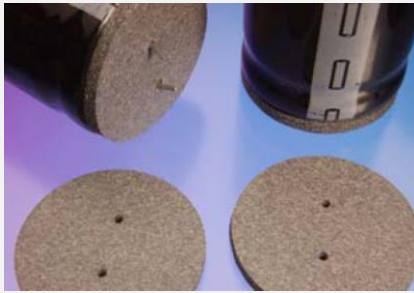


Softtherm®: 86/202 & 86/212lb Low Cost



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
Thermal Properties				
Thermal Resistance	R_{th}	K/W	0.90	0.90
Thermal Impedance	R_{ti}	$^{\circ}\text{Cmm}^2/\text{W}$	357	357
		Kin^2/W	0.55	0.55
Thermal Conductivity	λ	W/mK	1.4	1.4
Electrical Properties				
Breakdown Voltage	$U_{d;ac}$	kV	2.5	2.0
Dielectric Breakdown	$E_{d;ac}$	kV/mm	5	4
Volume Resistivity		Ωcm	2.7×10^{12}	1.2×10^{15}
Dielectric Loss Factor	$\tan \delta$	1	6.0×10^{-3}	4.5×10^{-4}
Dielectric Constant	ϵ_r	1	4.2	2.68
Mechanical Properties				
Measured Thickness ($\pm 10\%$)		mm	0.5*	0.5*
Hardness		Shore 00	20 - 30	25 - 35
Youngs Modulus		N/cm ³	47	39
Physical Properties				
Density		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

