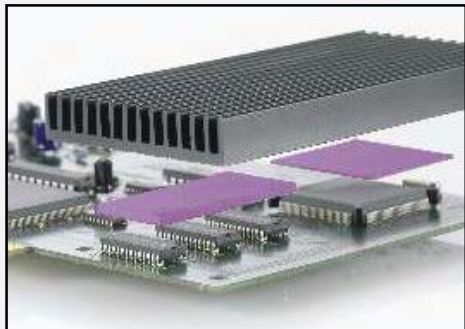


Softtherm®: 86/525



This new film is designed for optimal thermal connections in the fields of computer technology and high-performance automotive applications. With its outstanding thermal conductivity and very good compressibility the film is very well suited for these types of applications. The material's good formability reduces mechanical stress on the power components. This carrier-free film is available in thicknesses from 0.5mm to 3.0mm.

APPLICATIONS

- Automotive
- Stress Sensitive Components
- LED Applications
- Computer Technology

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	86/525
Color			Violet
Thermal Properties			
Thermal Resistance	R_{th}	K/W	< 0.22
Thermal Impedance	R_{ti}	$^{\circ}\text{Cmm}^2/\text{W}$ Kin^2/W	89 0.14
Thermal Conductivity	λ	W/mK	> 5.5
Electrical Properties			
Dielectric Breakdown	$E_{d,ac}$	kV/mm	> 3.0
Volume Resistivity		Ωcm	16×10^{12}
Dielectric Loss Factor	$\tan \delta$	1	1.0×10^{-3}
Dielectric Constant	ϵ_r	1	2.7
Mechanical Properties			
Measured Thickness ($\pm 1\%$)		mm	0.5*
Hardness		ShoE100	50 – 60
Youngs Modulus**		N/cm ³	98.5
Physical Properties			
Application Temperature		$^{\circ}\text{C}$	-40 to +180
TML		Ma.-%	< 0.35
Flame class		UL	94V-0
Available Thicknesses		mm	0.5 – 3.0

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

Compressibilities of Softtherm 86/525

