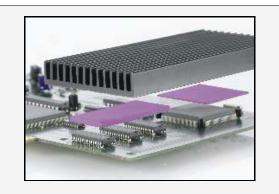


Softtherm[®]: 86/525



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.

Compressibilities of Softtherm 86/525 pressure (psi)								
3.0 psi	14.5	29 ່	43.5	58	72.5	87		
						1.4		
E 2.5	\searrow					1.2		
compressed thickness (mm) 5.2 1.0 1.2 1.0 0.2						1.0		
2.0								
i≣ 1.5						0.8		
sed						0.6		
1.0 <u>-</u>						0.4		
duo 0.5								
8 0.5						0.2		
o 🗕						0		
0	10	20	30 ession pressure	40	50	60		
		compre	ession pressure					

Properties	symbol	unit	86/525				
Color			Violet				
Thermal Properties							
Thermal Resistance	R_{th}	K/W	< 0.22				
Thermal Impedance	R _{ti}	°Cmm²/W Kin²/W	89 0.14				
Thermal Conductivity	λ	W/mK	> 5.5				
Electrical Properties							
Dielectric Breakdown	$E_{d;ac}$	kV/mm	> 3.0				
Volume Resistivity		Ω cm	16 x 10 ¹²				
Dielectric Loss Factor	tan δ	1	1.0 x 10 ⁻³				
Dielectric Constant	ε _r	1	2.7				
Mechanical Properties							
Measured Thickness ((±1 %)	mm	0.5*				
Hardness		Shor 00	50 – 60				
Youngs Modulus**		N/cm ³	98.5				
Physical Properties							
Application Temperat	ure	°C	-40 to +180				
TML		Ma%	< 0.35				
Flame class		UL	94V-0				
Available Thicknesses	5	mm	0.5 – 3.0				
** Youngs modulus: sample size 30mmx30mmx2.5mm;							

variable contact pressure; compression 50% of measured thickness





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