

Softtherm® – 86/600



Softtherm 86/600 is characterized by low thermal resistance and best heat dissipation, as well as good dielectric strength.

APPLICATIONS

- RD-RAM memory modules
- 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	86/600
Color			gray
Thermal Properties			
Thermal Resistance	R_{th}	K/W	0.20
Thermal Impedance		$^{\circ}\text{Cmm}^2/\text{W}$	80.0
		Kin^2/W	0.12
Thermal Conductivity	λ	W/mK	6.0
Electrical Properties			
Dielectric Breakdown	$E_{d;ac}$	KV/mm	1.5
Volume Resistivity		Ωcm	1.7×10^{10}
Dielectric Loss Factor (1kHz)	$\tan\Omega$	1	2.0×10^{-3}
Dielectric Constant (1kHz)		1	2.5
Mechanical Properties			
Thickness ($\pm 10\%$)		mm	0.5
Hardness		Shore 00	60 – 70
Softening Interval		N/cm ²	692
Physical Properties			
Application Temperature		$^{\circ}\text{C}$	-60 to +150
Total Mass Loss (TML)		Ma.-%	< 0.40
Flame Class		UL 94	pending

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

This Softtherm® film has the best thermal behavior. The 86/600 film is characterized by low thermal resistance and best heat dissipation, as well as good dielectric strength. Good compressibility and low shore hardness ensure reliable and simple processability.