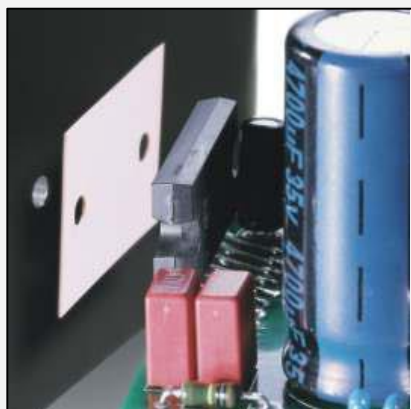


Standard Films: Keratherm Pink



Keratherm® pink has outstanding thermal conductivity which is achieved by a specially filled silicone elastomer. The good electrical insulation properties are thereby retained.

APPLICATIONS

- Automotives
- Audio and Video Components
- White Goods
- Power Converters (AC-DC, DC-DC)
- Engine Controllers
- LCD Displays

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	86/50 Basic film
Color			pink
Thermal Properties			
Thermal Resistance	R_{th}	K/W	0.16
Thermal Impedance	R_{ti}	$^{\circ}\text{Cmm}^2/\text{W}$ Kin^2/W	64 0.09
Thermal Conductivity	λ	W/mK	3.5
Electrical Properties			
Breakdown Voltage	$U_{d;ac}$	kV	1.5
Dielectric Breakdown	$E_{d;ac}$	KV/mm	7.0
Volume Resistivity		Ωcm	1.3×10^{14}
Dielectric Loss Factor	$\tan \delta$	1	6.7×10^{-2}
Dielectric Constant	ϵ_r	1	2.3
Mechanical Properties			
Overall Thickness ($\pm 10\%$)		mm	0.225
Hardness		Shore A	70 - 80
Tensile Strength		N/mm ²	1.3
Elongation		%	25
Physical Properties			
Application Temperature		$^{\circ}\text{C}$	-60 to +250
Density		g/cm ³	1.97
Flame class		UL	94V-0
Possible Thickness		mm	0.125 - 0.500

On request, these films can also be supplied with fiberglass reinforcement and with or without adhesive coating. The excellent thermal resistance of this film enables the optimum heat transfer to the heat sink.

Options for Keratherm Pink (Standard Film):

Type	Film Structure	Overall Thickness	Tensile Strength	Thermal Resistance	
		mm	N/mm ²	K/W	Kin ² /W
86/51	86/50 with adhesive coating	0.250	2.1	0.25	0.13
86/52	86/50 with fiberglass	0.225	>10	0.28	0.14
86/53	86/50 with fiberglass and adhesive coating	0.250	>10	0.31	0.15

The following thicknesses are available: 0.125 mm, 0.225 mm, 0.3 mm, 0.4 mm, 0.5 mm