

Keratherm® - pink Standard films

Applications:

- Automotives
- Audio and video components
- White Goods
- Power converters (AC-DC, DC-DC)
- Engine controllers
- LCD displays

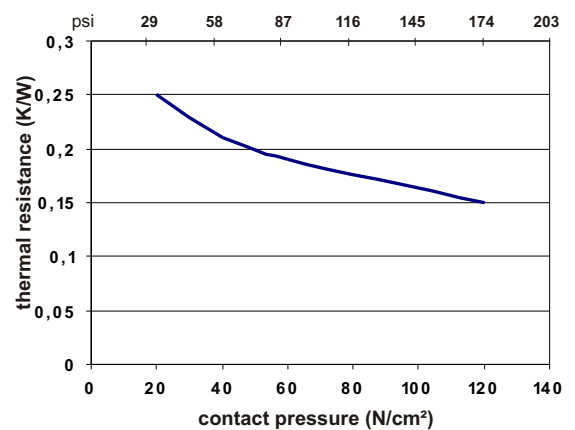


Properties	Unit	86/50 basic film
Colour		pink
Thermal properties		
Thermal resistance R_{th}	K/W	0.16
Thermal impedance R_{ti}	$^{\circ}Cmm^2/W$ Kin^2/W	64 0.09
Thermal conductivity	W/mK	3.5
Electrical properties		
Breakdown voltage $U_{d; ac}$	kV	1.5
Dielectric breakdown $E_{d; ac}$	KV/mm	7.0
Volume resistivity	m	1.3×10^{14}
Dielectric loss factor tan	1	6.7×10^{-2}
Dielectric constant ϵ_r	1	2.3
Mechanical properties		
Overall thickness (+/-10%)	mm	0.225
Hardness	Shore A	72
Tensile strength	N/mm ²	2.0
Elongation	%	2.5
Physical properties		
Application temperature	$^{\circ}C$	-60 to +250
Density	g/cm ³	2.4
Flameclass	UL	94V-0

The following thicknesses are available:
0,125 mm; 0,225 mm; 0,3 mm; 0,4 mm; 0,5 mm

Keratherm® - pink has outstanding thermal conductivity which is achieved by a specially filled silicone elastomer. The good electrical insulation properties are thereby retained. On request, these films can also be supplied with fibre glass reinforcement and with or without adhesive coating. The excellent thermal resistance of this film enables the optimum heat transfer to the heat sink.

Compressibilities of Keratherm® Pink



Options for Keratherm® -pink

Type	Film structure	Overall thickness mm	Tensile strength N/mm ²	Thermal resistance	
				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 fibre glass	0.225	15	0.28	0.14
86/53	86/50 with fibre glass and adhesive coating	0.250	15	0.31	0.15