

1150 Thermal pads

The thermal conductivity of the interface material has a significant impact on its thermal performance. The high thermal conductivity guarantees sufficient heat transfer, resulting in a better cooling solution and the desired heat dissipation.

Properties

- Good insulation properties
- Heat-conducting
- Good compressibility
- Flexible
- Environmentally friendly

Benefits

- Smooth surface
- Very good thermal transfer properties even at very low contact pressure
- Low hardness
- High self-adhesion
- UL listed
- Thickness 0.01 to 8 mm

This film is especially suitable for high-power applications. It has excellent thermal and electrical properties. Thanks to its good performance, the material can be used reliably in densely packed electronic applications.

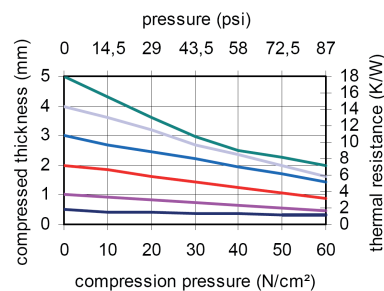
Applications

- RD-RAM Memory Module
- Heat pipe thermal solutions
- Automotive engine
- Control units
- Plasma supply console

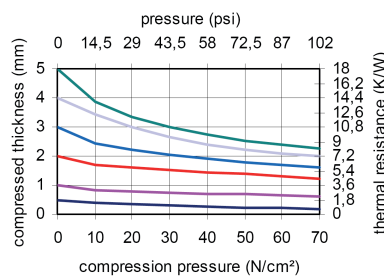
Properties

Properties	Unit	1150-200	1150-2101b
Color		pink/yellow	pink/yellow
Thermal Properties			
Thermal resistance R^{th}	K/W	1.50	1.50
Thermal impedance R_{ti}	$^{\circ}Cmm^2/W$ Kin^2/W	500 / 0.77	500 / 0.77
Thermal conductivity λ	W/mK	1.0	1.0
Electrical Properties			
Breakdown Voltage $U_{d,ac}$	KV	8.0	8.0
Volume Resistivity R_{ti}	Ωcm	1.0×10^{11}	1.0×10^{11}
Dielectric loss factor $\tan \delta$	1	1.5×10^{-3}	1.5×10^{-3}
Dielectric Constant ϵ_r	1	3.9	3.9
Mechanical Properties			
Thickness ($\pm 10\%$)	mm	0.5 to 5.0	0.5 to 5.0
Hardness	Shore A	10	15
Youngs Modulus	N/cm ²	200	696
Physical Properties			
Application Temperature	$^{\circ}C$	-60 to +200	-60 to +200
Total Mass Loss (TML)	Ma.-%	< 0.40	< 0.24
Flame class	UL	94V-0	94V-1

Compression of 1150 Thermal pads



1150-200



1150-2101b

The information on this sheet has been compiled from the results of various test data. This publication however, cannot be considered as a commitment or as a written guarantee.

The information presented cannot replace the necessity of serious testing of the product in its actual application