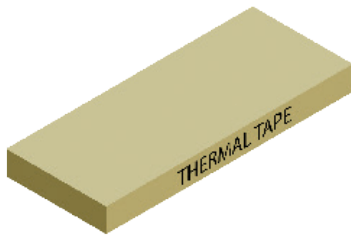


THERMAL TAPE TT50 & TT100

Data Sheet DS_70

1/1

STANDARD CONSTRUCTION



Thermal tape μm (mils)
50(1,97) / 100 (3,9)

Product Construction Aismalibar Thermal conductive tape TT50 -TT100

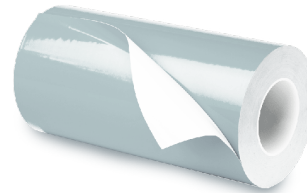
Properties	
Adhesive Tape	Acrylic Adhesive two sides
Thickness	50 micron and 100 micron
Color	Semi translucent /white
Fillers	Ceramic Particles
Liner	PET Film Liner
Delivered in	Rolls or cut to shapes

DESCRIPTION

Adhesive film with two-sided adhesive combined with thermal transmission properties based on acrylic resin, PSA (pressure sensitive adhesive). Dual cure technology ensures greater adhesion over time after application. It is ideal to improve the wetting between rough surfaces allowing the conformation of the surface ensuring a good anchoring and excellent thermal transmission.

Key Features

- High mechanical adhesion
- Improves wetting of rough surfaces and reduces air cavities.
- Ideal for electronic applications
- Excellent thermal transmission
- Excellent performance against vibrations.
- Supplied in Sheets or in rolls



RoHS 3 / REACH
Last updated compliance directive



Properties	TT50	TT100	UNITS	TOLERANCE	TEST METHOD
Thermal conductivity	1,2 (0,030)	1,2 (0,030)	W/mK (W/inK)	+/- 15%	ASTM D5470
Thermal Resistance	0,097	0,195	K/W	+/- 15%	ASTM D5470
Thermal impedance @10/30/50 psi	0,417 (0,065)	0,833 (0,129)	Kcm ² /W (Kin ² /W)	+/- 15%	ASTM D5470
Nominal thickness (pressed)	50 (2,0)	100 (3,9)	μm (mils)	+/- 15 μm (0,6mils)	-
Filler Type	Ceramic	Ceramic	-	-	-
Dielectric breakdown voltage, AC	$\geq 0,3$	$\geq 0,5$	kV	-	IPC TM 650 2.5.6.3
Initial Tack (Peel adhesion)	4,3	4,3	N/cm	-	ASTM D3330
Decomposition Temperature (Td) Initial	205	205	°C	-	IPC-TM 650-2.3.41
Flammability / Flame Rating	V-0**	V-0**	class	-	UL-94
Density	1,5	1,5	gr/cm ³	+/- 5%	

STORAGE CONDITIONS

Keep storage climate conditions below 24°C and 55% relative humidity. In the event of storing under very low warehouse temperatures give some time for the packed TIM's to stabilize to room temperature before opening. Keeping the above mentioned storage conditions and avoiding TIM's damage by humidity uptake will give a useful life of 6 months after production date.

(*) Value only of the Bond Sheet Cured

(**) Flammability rating is only valid when TT50 or TT100 is clad to an aluminium laminate of 0,8mm or higher and at the other side an FR4 with V-0 recognition with 0,8mm or higher.