



## ETENG COMPANY LIMITED

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### Heat-conducting adhesive tape

#### [Product details]

Carrier: backing/non-backing; thickness: 0.1mm/0.15mm/0.2mm/0.3mm/0.5mm, color: white

#### [Features]

1. it is a kind of material which is both thermal conductive and insulating and easy to use. It is the most ideal material for assembling the constructions which have uneven surfaces
2. The usage of polymer enable the tape to possess the priorities of flexibility, conformity, self-adhesively and high compression ratio which make the assembling of production line easier especially the self-adhesive.
3. It is available under a large environment scope and can overcome all kinds of severe institution environments. It can fill up uneven surfaces and reduce the heat of electronic components completely. It can even be used in confined space without the necessity of changing any machine.
4. it can solve the problems of thermal conductivity, insulation and buffering ect.

#### Application ■ Heat sink and DDR-RAM assemble

- LED, M/B, PS, LCD-TV, NB, PC, IC, CPU, MOS, DDRLL, Module, DVD
- metal frame assemble
- Die-cutting and lamination

#### Layer



Type 1
ET-730-##N Layer
PSA
PEK release



Type 2
ET-730-## Layer
PSA
Fiber glass
PSA
PEK release

	heat-conducting adhesive tape(no base material)			
	ET-730-05N	ET-730-10N	ET-730-20N	ET-730-25N
Type	ET-730	ET-730	ET-730	ET-730
Basic Material	None	None	None	None
Release liner	120g PEK			
Length Standard Max	50M 100M	50M 100M	50M 100M	50M 100M
Width	1240mm/1050mm (accept die-cutting)			
Adhesive thickness	0.05mm	0.10mm	0.20mm	0.25mm
Total thickness Tolerance	0.05mm ± 10%	0.10mm ± 10%	0.20mm ± 10%	0.25mm ± 10%
180 ° peel power ( PSTC-101 ) ( N/25mm )	> 10.78	> 13.72	> 13.72	> 15.68
Temp.holding long-term ( ) short-term ( )	120 ( 248 ) 180 ( 356 )	120 ( 248 ) 180 ( 356 )	120 ( 248 ) 180 ( 356 )	120 ( 248 ) 180 ( 356 )
( PSTC-7 ) ( hours ) ( 1kg/inch/25 ) ( 1kg/inch/60 )	> 48 > 24	> 48 > 24	> 48 > 24	> 48 > 24
Adhere Holding power ( J.Dow method ) ( number )	8	12	14	16
Insulation power (ASTM D149)(KV)	1	2	5.2	6.8
Thermal impedance @40PSI (AM D2240)(C*in2/W)	0.414	0.558	1.070	1.173
Thermal conductive ( ASTM D22470 ) ( W/m-k )	0.85			
Temperature range	-20 ~ +120			
storage	Temperature: 23 ± 5 , relative humidity (RH): 60% ± 10% Valid: 15 months.			

	fiber glass Double side adhesive tape for thermal conductive			
	ET-730-15	ET -730-25	ET -730-30	ET -730-50
Type	ET-730	ET-730	ET-730	ET-730
Material	Fiber glass	Fiber glass	Fiber glass	Fiber glass
Release liner	120g PEK			
Length standard Max	50M 100M	50M 100M	50M 100M	50M 100M
Width	1240mm/1050mm (accept die-cutting)			
Glue thickness	0.05mm	0.25mm	0.30mm	0.50mm
Total Thickness Tolerance	0.05mm ± 10%	0.25mm ± 10%	0.30mm ± 10%	0.50mm ± 10%
180 ° peel power ( PSTC-101 ) ( N/25mm )	> 13.72	> 13.72	> 13.72	> 13.72
Temp holding Long-term ( ) short-term ( )	120 ( 248 ) 180 ( 356 )	120 ( 248 ) 180 ( 356 )	120 ( 248 ) 180 ( 356 )	120 ( 248 ) 180 ( 356 )
Adhere Holding power ( PSTC-7 ) ( hours ) ( 1kg/inch/25 ) ( 1kg/inch/60 )	> 48 > 24	> 48 > 24	> 48 > 24	> 48 > 24
First adhere power ( J.Dow method ) ( number )	12	16	16	16
Insulation (ASTM D149(kv)	2	4	7.4	> 10
Thermal conductive @40PSI (AD2240)(C*in2/W)	0.715	1.196	1.445	2.098
Thermal Conductive ( ASTM D22470 ) ( W/m-k )	0.85			
Temperature range	-20 ~ +120			
storage	Temperature: 23 ± 5 , relative humidity (RH): 60% ± 10% Valid: 15 months.			