

## PHASE CHANGE MATERIAL – APC-34

### APC-34

Our APC-34 phase change film consists of a thin aluminium film with one side coated with a thermal phase change layer. It is extremely thin yet with good thermal conductivity 3.4w/mk. During warm up the phase change film softens and moulds itself to the mating surface thereby expelling any air filling and any roughness and unevenness, even at low pressures. Can be supplied in sheets, rolls or die cut.



#### Features

- One side Aluminium film allows easy handling and re-workability.
- 3.4W/mk Thermal Conductivity
- Ultra-thin 0.14mm.
- No migrating or run out.
- Silicone free.

#### Application:

- CPU, GPU (Notebooks, Desktops, Servers)
- Memory modules
- Power modules

Item	Unit	Value	Standard
Thermal Conductivity	W/mk	3.4	ASTM D5470
Thickness	mm	0.14	-
Hardness (Phase change film)	Shore 00	80	ASTM D2240
Phase Change Temp	°C	45	-
Thermal Resistance @ 150PSA	°C-inch <sup>2</sup> /W	0.05	ASTM D257
Specific Density	g/cm <sup>3</sup>	2.0	ASTM D792
Flammability Rating	-	94 V-0	UL
Operating Temperature	°C	-40 ~ 150	-
Max Storage Temp	°C	25	-
Shelf Life	months	6	-
ROHS	-	Not detected	-

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