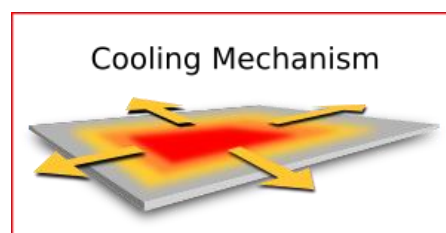


## Technical Data - HB160TC

### Product description

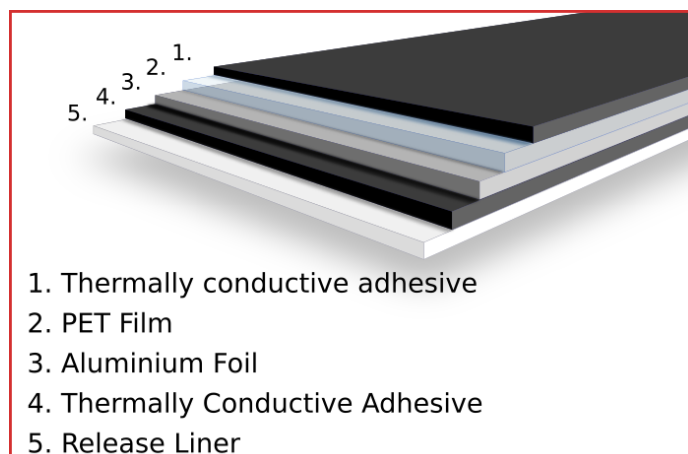
Thermal spread & interface double sided tape, a newly developed material with excellent heat spread / diffusion properties and very good dielectric and absorption characteristics. The tape stabilizes the function of the device it is applied to, reducing malfunction through high temperatures emitted from specific components.

- Superior thermal conductivity in the plane
- Quick heat spread with graphite adhesive
- Excellent adhesion and stability
- Excellent electrical conductivity



### Construction

Property	Value
<b>Backing Type</b>	Heat Radiation coating + Aluminium Foil
<b>Adhesive</b>	Thermally Conductive adhesive (Graphite filler)
<b>Release liner</b>	Paper liner



### Technical data

Item	Unit	Spec.	Test Method
<b>Total thickness</b>	mm	0.160 ± 10%	Thickness Gauge
<b>Adhesive strength</b>	Gram / mm	> 700	KS T1028(SUS304)
<b>Top-Bottom Resistance (Z axis)</b>	Ω	Non-Conductive	MIL-DTL-83528C
<b>Surface Resistance, Adhesive (XY axis)</b>	Ω	Non-Conductive	MIL-DTL-83528C
<b>Thermal conductivity (Vertical)</b>	W/m-K	4	ASTM D 5470
<b>Thermal conductivity (In-Plane)</b>	W/m-K	180	ASTM D 5470
<b>Operating Temperature</b>	°C	-10~90	-

**Application:** Dual CPU Core, Battery (Cover), Shield Can, LCD & Camera module for Mobilephone, LED Lighting, LED TV, Tablet PC & etc. And can be used for various thin heat spreader.

Unless stated otherwise all values given are average. All of the tapes in our range should be thoroughly tested on the substrates in the particular application they are intended for. Hi-Bond Tapes Ltd. will not be responsible for product failure unless full testing has been completed. The customer has to decide on the tapes suitability for the intended application.



### High Performance Tapes and Adhesive Products

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