



Technical Data – HPS 05ST

V2.0 19.08.25

Thermal Conductive Silicone Pad

Features:

- Reduce thermal resistance by eliminating air gaps.
- Low-stress for vibration and shock dampening.
- High Thermal Conductivity.
- Good Conformability.
- High Electrical Resistivity.
- Excellent Flame Retardant.
- Natural tack on both sides.
- Self-tacky thermal pad.



Technical Data:

Item	Unit	Value	Test method
Colour	-	PINK	VISUAL
Thickness	mm	0.5 – 5.0 mm	ASTM D374
Density	g/cm ³	3.1 ± 0.1	ASTM D792
Hardness	Shore00	60 ± 10	ASTM D2240
Tacky	-	Self-tacky	-
Thermal Conductivity	W/mk	> 4.5	ASTM D5470
Dielectric Breakdown	kV/mm	> 6	ASTM D149
Volume Resistivity	Ω-cm	> 10 ¹³	ASTM D257
Use Temperature	°C	-50 ~ 180	-
Flame Resistance	-	V-0	UL94

Applications:

- Between various IC and heat sink or chassis
- Power supplies
- CDROM/DVD/BD/hard drive
- Set-top box/PVR
- Amplifiers
- Between other heat-generating devices and chassis

Note: 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

1 Crucible Road, Phoenix Parkway, Corby, Northamptonshire NN17 5TS

Telephone: +44 (0)1536 260022 Fax: +44 (0)1536 260044

Email: sales@hi-bondtapes.co.uk

www.hi-bondtapes.com

Company Registration No. 3985595

