

Test Report No. 7191076351 - MEC13 - TYK
dated 11 Dec 2013



PSB Singapore

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Thermal Conductivity Test

Tested for: **Perceptive Profile Sdn. Bhd.**
PT 19251,
Persiaran Batu Gajah Perdana 10,
Taman Perindustrian Batu Gajah Perdana,
31550 Pusing, Perak, Malaysia.

Attn : **Mr. YJ Lee**

Description of sample: Four pieces of **Materials** identified as “**Thermo Plastic**” of nominal size 150 mm (L) x 300 mm (W) x 25 mm (TK) were submitted on 25th November 2013.

Sample Description: Thermo Plastic

Test standard: 1) Adopted ASTM C518 : 2010 Standard test method for steady-state thermal transmission properties by means of the heat flow meter.
2) The thermal conductivity of material was measured by using a heat flow meter calibrated with standard fibreglass sample of thickness of 25mm

TEST RESULTS:

Test	Unit	Sample : Thermo Plastic
Thermal conductivity test		
a. Dimension of specimen	mm	305 (L) x 301 (W) x 26 (TK)
b. Density	kg/m ³	845.12
c. Temperature of hot face	°C	43.29
d. Temperature of cold face	°C	23.38
e. Mean temperature	°C	33.34
f. Thermal conductivity	W/mK (Kcal/mhK)	0.1560 0.1341

* 1 W/mK = 0.859845 Kcal/mhK

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APPENDIX:



Photo 1: Sample as received, Side 1



Photo 2: Sample as received, Side 2



Photo 3: Sample as tested

Note: Two pieces of samples were placed together for testing.





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July 2011

