

**Test Report No. 7191117493 - MEC15 - TKY**  
dated 13 Jul 2015

Quotation No. 2191022510

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## Thermal Conductivity Test

Tested for: **Superlon Worldwide Sdn. Bhd.**  
Lot 2736, Jalan Raja Nong,  
41200, Klang,  
Selangor  
Malaysia

Attn : **Ms. Joanna**  
Phone: +603-5161 7778

Sample Identification: NBR Nitrile Rubber Insulation Material

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 : NBR Nitrile Rubber Insulation Material
Thermal conductivity test		
a. Dimension of specimen	mm	306 (L) x 305 (W) x 13 (TK)
b. Bulk Density	kg/m <sup>3</sup>	57.89
c. Temperature of hot face	°C	29.63
d. Temperature of cold face	°C	9.64
e. Mean temperature	°C	19.64
f. Apparent Thermal conductivity	W/mK	0.0331
	(Kcal/mhK)	0.0285

\* 1 W/mK = 0.859845 Kcal/mhK

  
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**APPENDIX:**

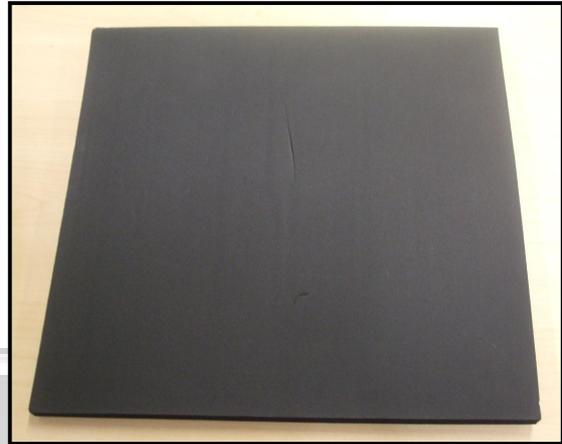
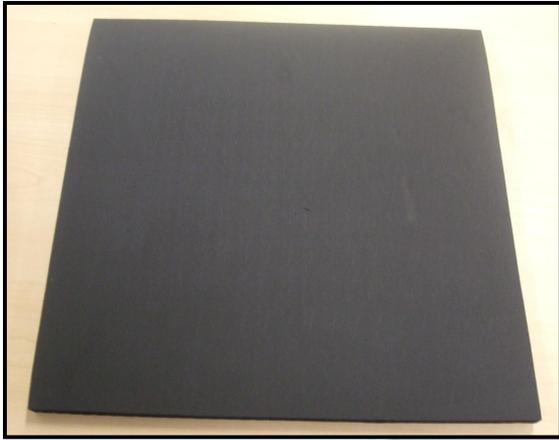
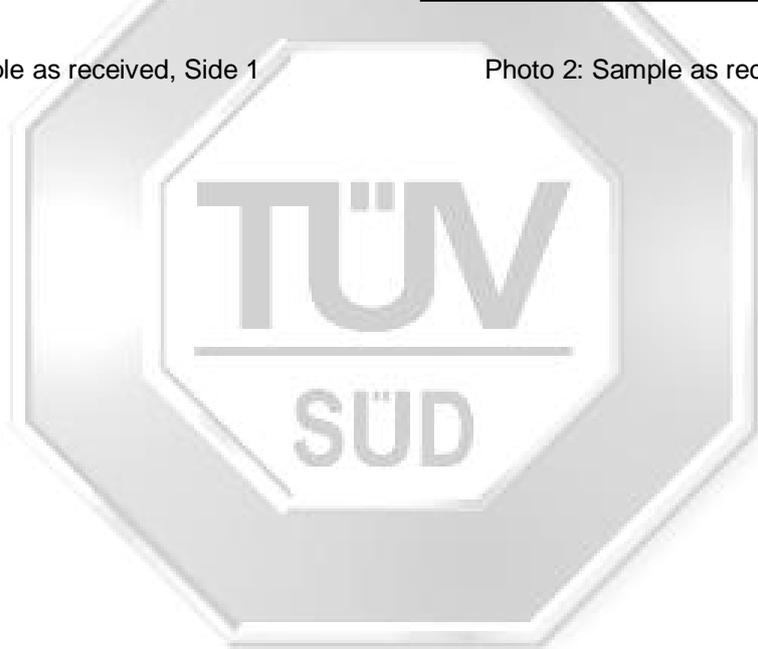


Photo 1: Sample as received, Side 1

Photo 2: Sample as received, Side 2



*Yulans .* *ABE*

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July 2011

