

Material & Engineering Laboratory-Taipei

# **TEST REPORT**

REPORT NO. : HV-16-03044XA

PAGE: 1 OF 3 REPORT DATE: Jun. 22, 2016

### SUPERLON WORLDWIDE SDN. BHD.

The following merchandise was submitted and identified by the vendor as:

<u>Product Name</u>: NITRILE BTADIENE RUBBER (NBR) BLACK INSULATION <u>Product Type</u>: NITRILE BTADIENE RUBBER (NBR) BLACK INSULATION

Product Color: Black

Manufacturer/Vendor: SUPERLON WORLDWIDE SDN. BHD.

We have tested the submitted sample(s) as requested and the following results were obtained:

<u>Test Required</u>: (According to client's test specification, please see following sheets in detail.)

Thermal Conductivity

<u>Test Result</u>:

-PLEASE SEE ATTACHED SHEETS-

<u>Date of Receive</u>: JUNE 03, 2016

<u>Date of Testing</u>: JUNE 03, 2016 ~ JUNE 22, 2016

Signed for and on behalf of SGS Taiwan Ltd.

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# **Thermal Conductivity**

### Test Equipment:

Name	Brand	Model
Thermal conductivity tester	NETZSCH	HFM 436/3/1

<u>Lab Environmental Conditions</u>:

Ambient Temp. :  $23\pm2^{\circ}$ C Relative Humidity :  $50\pm5\%$ RH

<u>Test Method/ Specification</u>:

Ref. to ASTM C177-10 Standard Test Method for Steady-State Heat Flux

Measurements and Thermal Transmission Properties

by Means of the Guarded-Hot-Plate Apparatus

**Test Condition:** 

The thickness of the test : 2.4774 cmThe mean temperature :  $19.02^{\circ}\text{C}$ Delta T :  $19.96^{\circ}\text{C}$ Temp Gradient :  $805.16^{\circ}\text{K/m}$ 

#### Test Result:

Test Item(s)	Test Result(s)
Thermal Conductivity(W/m · K)	0.0352

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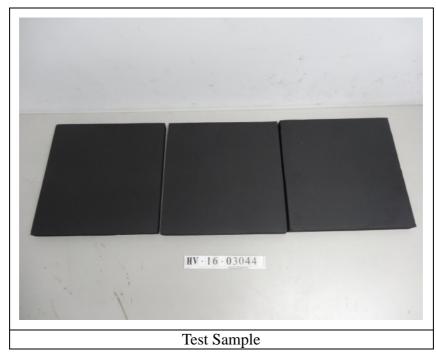
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# <u>Test Photo</u>:



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