



Footwear Physical Testing Lab – Taichung

TEST REPORT

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Date : 2017/11/29

AN DIANN ENTERPRISE CO., LTD./ HON MON ENTERPRISE CO., LTD.

NO.71, CHENG GONG ST., GUAN TIAN INDUSTRIAL PARK, 72046 TAINAN CITY, TAIWAN (R.O.C.)

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

Product Description : TPE.
Color : BLACK.
Sample submitted by : AN DIANN ENTERPRISE CO., LTD./ HON MON ENTERPRISE CO., LTD.
Received Date : 2017/11/23.
Testing Period : 2017/11/23 TO 2017/11/29.

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

Test Required & Test Results :

Test Results :

For further details, please refer to the following page(s)


Mandy Liu / Team Leader
Signed for and on behalf of
SGS TAIWAN LTD



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Test Required & Test Results :

Hardness test

Test Method : ASTM D2240-05 Reapproved 2010
Test Condition : Temp.23±2°C R.H.50±2%
Loading: 1 kg
Equipment: Type C durometer
Test Result : **Average value 14**

Tensile strength test

Test Method : ASTM D412-15a
Test Condition : Temp.23±2°C R.H.50±2%
Speed 500 mm/min
Test Result : **Average value 5.25 kgf/cm²**

Elongation test

Test Method : ASTM D412-15a
Test Condition : Temp.23±2°C R.H.50±2%
Speed 500 mm/min
Test Result : **Average value 205.12 %**

Tensile strength at 200% elongation test

Test Method : ASTM D412-15a
Test Condition : Temp.23±2°C R.H.50±2%
Speed 500 mm/min
Test Result : **Average value 4.75 kgf/cm²**

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Test Required & Test Results :

Tear strength test

Test Method : ASTM D624-00 Reapproved 2012
Test Condition : Temp.23±2°C R.H.50±2%
Speed 500 mm/min
Test Result : Average value 2.59 kgf/cm

Density test

Test Method : ASTM D297-93 Reapproved 2002
Test Condition : Temp.23±2°C R.H.50±2%
Test Result : Average value 0.18 g/cm³

Compression set test

Test Method : ASTM D395-16 Method B
Test Condition : Temp.23±2°C R.H.50±2%
Compression 50% of the specimen×22 hours
Test Result : Average value 60.81 %

Water absorption and desorption test

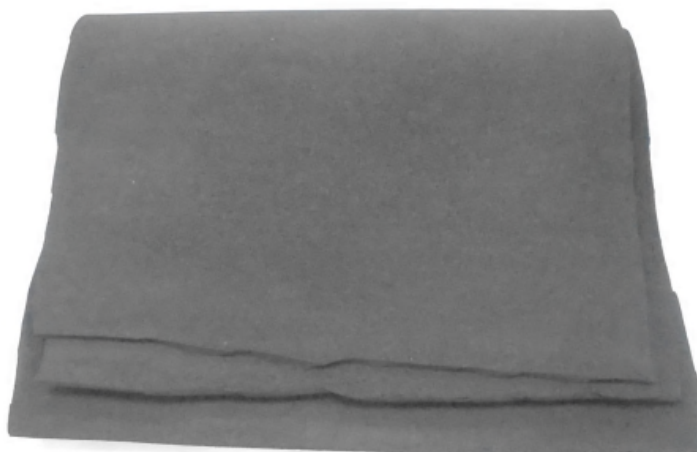
Test Method : EN 12746 Method A-2000
Test Condition : Temp.23±2°C R.H.50±2%
Test Results : Water absorption 75.47 %
Water desorption 97.61 %

Note : Color fastness- Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

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----- SAMPLE PHOTO -----



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----- END OF REPORT -----

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