



TEST REPORT

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Report Number: 2916-21003

Project Number: 36235

Report Issued: August 22, 2021

Client: **Maxell Ltd**
Building Material Project
3819 Noborito Tama-ku Kawasaki-shi
Kanagawa JAPAN 214-0014
TEL: +81-44-577-7641; FAX: +81-44-922-4658

Contact: Tanaka Chikashi

Code/Standard: Air Permeance test per ASTM E2178-13

Product(s) Tested: Butyl Adhesive Tape, Part # 9940 & Acrylic Adhesive Tape, Part # 3494

Conclusion: Both materials identified above when tested per ASTM E2178-13 meet the minimum conditions of acceptance of the 2021 IECC of air permeance less than or equal to $0.02 \text{ L}/(\text{s}\cdot\text{m}^2)$ @ 75 Pa ($0.004 \text{ cfm}/\text{ft}^2$ @ 0.3-inch w.c. (1.57 psf))

Prepared & Submitted By:

Sanjay "Jay" Mishra
Vice President of Building Product Testing

All testing and sample preparation for this report was performed under the continuous, direct supervision of IAPMO Institute of Building Technology (IBT), unless otherwise stated. The statement of compliance, if stated, is based on the test results compared to the standard specifications without considering measurement uncertainty. The observations, test results and conclusions in this report apply only to the specific samples tested and are not indicative of the quality or performance of similar or identical products. Only the Client shown above is authorized to copy or distribute the report, and then only in its entirety. Any use of the IAPMO IBT name for the sale or advertisement of the tested material, product or service must first be approved in writing by IAPMO IBT.

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1.0 INTRODUCTION

The Air Permeance tests were conducted on two materials at the request of Maxell Ltd. Rolls of the two materials were submitted to IAPMO IBT and received at the Ontario, California test facility on May 25, 2021. IAPMO IBT forwarded these materials to PRI in Tampa, Florida for testing. A sampling declaration from Maxell is attached in the appendix. The following materials were submitted:

- Butyl Adhesive Tape, Part # 9940
- Acrylic Adhesive Tape, Part # 3494

2.0 AIR PERMEANCE OF BUILDING MATERIALS, ASTM E2178-13

Standard: E2178 – 13, *Standard Test Method for Air Permeance of Building Materials*

Laboratory: PRI Construction Materials Technology LLC, Tampa, FL (IAS-TL-189)

Butyl Adhesive Tape, Part # 9940

Table 1. Air Permeability at $\Delta P = 75\text{Pa}$ (0.3in.W.C)

Physical Properties	Test Method / Units	Results	2021 IECC Requirement
As received			
Air Permeability 5 specimens; @ $\Delta P = 75\text{Pa}$ (0.3in.W.C)	ASTM E2178		
	L/(s·m ²)	0.0008	≤ 0.02
	cfm/ft ²	0.0002	≤ 0.004

Acrylic Adhesive Tape, Part # 3494

Table 1. Air Permeability at $\Delta P = 75\text{Pa}$ (0.3in.W.C)

Physical Properties	Test Method / Units	Results	2021 IECC Requirement
As received			
Air Permeability 5 specimens; @ $\Delta P = 75\text{Pa}$ (0.3in.W.C)	ASTM E2178		
	L/(s·m ²)	0.0002	≤ 0.02
	cfm/ft ²	0.00003	≤ 0.004

APPENDIX

PRI Test Report Project No. 1848T0003 (5 pages)
PRI Test Report Project No. 1848T0004 (5 pages)
Maxell Sampling Declaration (1 page)



PRI Construction Materials Technologies LLC

6412 Badger Drive
Tampa, FL 33610
813.621.5777
<https://www.pri-group.com/>

Laboratory Test Report

Report for: Maxell, Ltd.
Kanagawa, Japan
C/O IAPMO IBT
4755 E. Philadelphia Street
Ontario, CA 91761

Product Name(s): Acrylic Adhesive Tape

Project No.: 1848T0003 (IBT Project: 36235)

Date(s) Tested: July 29th- Aug. 4th, 2021

Test Methods: ASTM E2178

Results Summary: Air Permeability (75Pa): 0.0002 L/(s·m²)
Air Permeability (0.3 in.W.C.): 0.00003 cfm/ft²

Purpose: Conduct testing to evaluate the air permeance of the client-supplied material in accordance with ASTM E2178 *Standard Test Method for Air Permeance of Building Materials* under Section C402.5.1.3 *Materials* of the 2021 International Energy Conservation Code (IECC).

The sample supplied is a self-adhered membrane.

Test Methods: Testing was completed as described in ASTM E2178-13 *Standard Test Method for Air Permeance of Building Materials* which references ASTM E283 *Standard Test Method for Rate of Air Leakage through Exterior Windows, Curtain Walls, and Doors*.

Sampling: The following materials were received by PRI.

<u>Product</u>	<u>Source</u>	<u>Date Received</u>	<u>Sampling</u>
Acrylic Adhesive Tape	Ontario, CA	June 9 th , 2021	IAPMO-IBT

1848T0003

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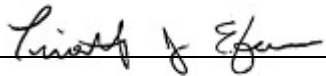
Results: Test data, including error analysis are contained in Appendix A. Summary of results are shown in Table 1 below. Conditions at the beginning of testing were 23°C (73°F) with 50% Rh.

Table 1. Air Permeability at $\Delta P = 75\text{Pa}$ (0.3in.W.C)

Physical Properties	Test Method / Units	Results	2021 IECC Requirement
As received			
Air Permeability 5 specimens; @ $\Delta P = 75\text{Pa}$ (0.3in.W.C)	ASTM E2178		
	L/(s·m ²)	0.0002	≤ 0.02
	cfm/ft ²	0.00003	≤ 0.004

Statement of Attestation:

Testing was conducted in accordance with standard test methods described herein. The laboratory test results presented in this report are representative of the material supplied.

Signed: 
 Timothy Efav
 Manager

Report Issue History:

Issue #	Date	Pages	Revision Description (if applicable)
Original	08/10/2021	5	NA

APPENDIX FOLLOWS...

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Appendix A: Test data

Client: Maxell
Project: 1848T0003
Test Method: ASTM E 2178: Standard Test Method for Air Permeance of Building Materials

Technician: AB

Test Specimens:

Width: 1.000 **Area:** 1.000 m²
Height: 1.000

Substrate: Acrylic Adhesive Tape
Thickness:
Preparation:

Test Data:

Specimen 1:

ΔP_{ei} (Pa)	Q_{ei} (LPM)	ΔP_{ti} (Pa)	Q_{ti} (LPM)
300	0.277	304	0.308
147	0.171	154	0.179
101	0.103	100	0.127
74	0.091	76	0.102
50	0.077	49	0.072
25	0.040	26	0.043

log transformation

x_{ei}	y_{ei}	x_{ti}	y_{ti}
5.7038	-1.2837	5.7170	-1.1763
4.9904	-1.7665	5.0370	-1.7205
4.6151	-2.2730	4.6052	-2.0660
4.3041	-2.3969	4.3307	-2.2855
3.9120	-2.5639	3.8918	-2.6367
3.2189	-3.2189	3.2581	-3.1438

Specimen 2:

ΔP_{ei} (Pa)	Q_{ei} (LPM)	ΔP_{ti} (Pa)	Q_{ti} (LPM)
300	0.321	299	0.385
151	0.179	148	0.196
104	0.130	107	0.144
75	0.099	77	0.105
48	0.067	48	0.069
23	0.030	25	0.039

log transformation

x_{ei}	y_{ei}	x_{ti}	y_{ti}
5.7038	-1.1358	5.7004	-0.9555
5.0173	-1.7202	4.9972	-1.6295
4.6444	-2.0377	4.6728	-1.9405
4.3175	-2.3160	4.3438	-2.2558
3.8712	-2.6959	3.8712	-2.6736
3.1355	-3.5066	3.2189	-3.2442

Specimen 3:

ΔP_{ei} (Pa)	Q_{ei} (LPM)	ΔP_{ti} (Pa)	Q_{ti} (LPM)
300	0.170	304	0.180
149	0.110	150	0.117
99	0.086	99	0.090
77	0.068	76	0.077
54	0.048	51	0.060
25	0.030	26	0.040

log transformation

x_{ei}	y_{ei}	x_{ti}	y_{ti}
5.7038	-1.7720	5.7170	-1.7132
5.0039	-2.2073	5.0106	-2.1488
4.5951	-2.4581	4.5951	-2.4051
4.3438	-2.6938	4.3307	-2.5682
3.9890	-3.0265	3.9318	-2.8142
3.2189	-3.5066	3.2581	-3.2297

Specimen 4:

ΔP_{ei} (Pa)	Q_{ei} (LPM)	ΔP_{ti} (Pa)	Q_{ti} (LPM)
299	0.304	302	0.328
149	0.167	149	0.174
103	0.121	102	0.141
74	0.091	77	0.121
48	0.063	48	0.093
24	0.035	27	0.040

log transformation

x_{ei}	y_{ei}	x_{ti}	y_{ti}
5.7004	-1.1913	5.7104	-1.1147
5.0039	-1.7904	5.0039	-1.7503
4.6347	-2.1080	4.6250	-1.9591
4.3041	-2.3924	4.3438	-2.1140
3.8712	-2.7648	3.8712	-2.3743
3.1781	-3.3610	3.2958	-3.2189

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Specimen 5:

ΔP_{ei} (Pa)	Q_{ei} (LPM)	ΔP_{ti} (Pa)	Q_{ti} (LPM)
298	0.462	298	0.518
152	0.236	153	0.268
104	0.161	100	0.176
77	0.119	74	0.131
52	0.081	48	0.085
25	0.039	27	0.048

log transformation

x_{ei}	y_{ei}	x_{ti}	y_{ti}
5.6971	-0.7723	5.6971	-0.6576
5.0239	-1.4457	5.0304	-1.3173
4.6444	-1.8253	4.6052	-1.7382
4.3438	-2.1259	4.3041	-2.0362
3.9512	-2.5186	3.8712	-2.4646
3.2189	-3.2511	3.2958	-3.0340

Analysis:

$$Q = CA(\Delta P)^n$$

$$\ln(Q/A) = \ln(C) + n \ln(\Delta P)$$

$$y_i = \ln(C) + nx_i$$

Coefficient of Determination:

Specimen 1		Specimen 2		Specimen 3		Specimen 4		Specimen 5	
R^2_{ei}	R^2_{ti}	R^2_{ei}	R^2_{ti}	R^2_{ei}	R^2_{ti}	R^2_{ei}	R^2_{ti}	R^2_{ei}	R^2_{ti}
0.991	1.000	0.998	1.000	0.997	1.000	1.000	0.982	1.000	1.000

Normalized Data:

Specimen 1:

ΔP (Pa)	Q (LPM)	Q/A (L/(s*m ²))
300	0.031	0.0005
150	0.014	0.0002
100	0.009	0.0001
75	0.006	0.0001
50	0.003	0.0001
25	0.001	0.0000

log transformation

x_{ei}	y_{ei}
5.7038	-7.5670
5.0106	-8.3491
4.6052	-8.8386
4.3175	-9.2067
3.9120	-9.7678
3.2189	-10.9477

Specimen 2:

ΔP (Pa)	Q (LPM)	Q/A (L/(s*m ²))
300	0.041	0.0007
150	0.020	0.0003
100	0.013	0.0002
75	0.010	0.0002
50	0.007	0.0001
25	0.003	0.0001

log transformation

x_{ei}	y_{ei}
5.7038	-7.2839
5.0106	-7.9915
4.6052	-8.4080
4.3175	-8.7047
3.9120	-9.1247
3.2189	-9.8486

Specimen 3:

ΔP (Pa)	Q (LPM)	Q/A (L/(s*m ²))
300	0.002	0.0000
150	0.009	0.0001
100	0.010	0.0002
75	0.010	0.0002
50	0.010	0.0002
25	0.009	0.0001

log transformation

x_{ei}	y_{ei}
5.7038	-10.3433
5.0106	-8.8179
4.6052	-8.6790
4.3175	-8.6568
3.9120	-8.6866
3.2189	-8.8363

Specimen 4:

ΔP (Pa)	Q (LPM)	Q/A (L/(s*m ²))
300	0.030	0.0005
150	0.023	0.0004
100	0.019	0.0003
75	0.017	0.0003
50	0.013	0.0002
25	0.009	0.0001

log transformation

x_{ei}	y_{ei}
5.7038	-7.6118
5.0106	-7.8620
4.6052	-8.0486
4.3175	-8.1933
3.9120	-8.4110
3.2189	-8.8116

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Specimen 5:

ΔP (Pa)	Q (LPM)	Q/A (L/(s*m ²))
300	0.056	0.0009
150	0.030	0.0005
100	0.021	0.0003
75	0.016	0.0003
50	0.011	0.0002
25	0.006	0.0001

log transformation

x_{ei}	y_{ei}
5.7038	-6.9679
5.0106	-7.5955
4.6052	-7.9643
4.3175	-8.2267
3.9120	-8.5975
3.2189	-9.2336

AVERAGE

x_i	y_i
5.7038	-7.9548
5.0106	-8.1232
4.6052	-8.3877
4.3175	-8.5977
3.9120	-8.9175
3.2189	-9.5356

Statistical Analysis:

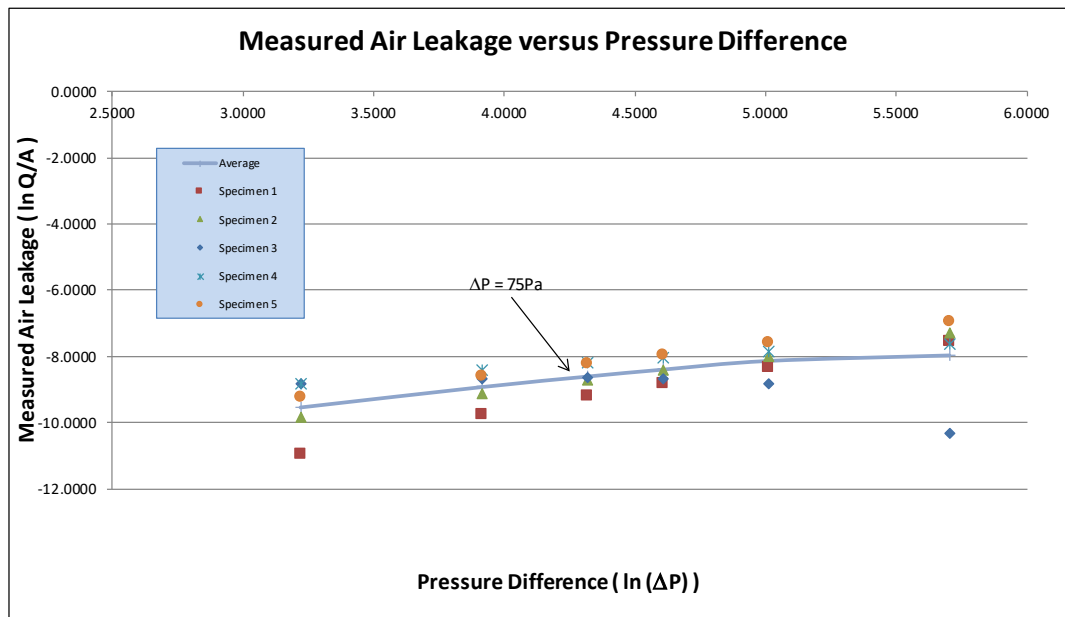
\bar{x} = 4.4613
 \bar{y} = -8.5861
 S_x^2 = 0.7464
 S_y^2 = 0.3327
 S_{xy} = 0.4861
 n = 0.6512 0.4470 - 0.8554
 $\ln(C)$ = -11.4914 -12.4165 - -10.5664
 C = 0.0000 0.0000 - 0.0000
 $S_{\ln(c)}$ 0.3332

Air Leakage versus Differential Pressure:

ΔP (Pa)	Q/A (L/(s*m ²))	95% Confidence Interval	
25	0.0001	0.0000	- 0.0003
50	0.0001	0.0001	- 0.0003
75	0.0002	0.0001	- 0.0004
100	0.0002	0.0001	- 0.0004
150	0.0003	0.0001	- 0.0006
300	0.0004	0.0001	- 0.0016

Air Permeance versus Differential Pressure:

ΔP (Pa)	Permeance (L/(s*m ² *Pa))	95% Confidence Interval	
25	0.0000	0.0000	- 0.0000
50	0.0000	0.0000	- 0.0000
75	0.0000	0.0000	- 0.0000
100	0.0000	0.0000	- 0.0000
150	0.0000	0.0000	- 0.0000
300	0.0000	0.0000	- 0.0000



End of Report

1848T0003

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PRI Construction Materials Technologies LLC

6412 Badger Drive
Tampa, FL 33610
813.621.5777
<https://www.pri-group.com/>

Laboratory Test Report

Report for: Maxell, Ltd.
Kanagawa, Japan
C/O IAPMO IBT
4755 E. Philadelphia Street
Ontario, CA 91761

Product Name(s): Butyl Adhesive Tape

Project No.: 1848T0004 (IBT Project: 36235)

Date(s) Tested: July 23rd - 28th, 2021

Test Methods: ASTM E2178

Results Summary: Air Permeability (75Pa): 0.0008 L/(s·m²)
Air Permeability (0.3 in.W.C.): 0.0002 cfm/ft²

Purpose: Conduct testing to evaluate the air permeance of the client-supplied material in accordance with ASTM E2178 *Standard Test Method for Air Permeance of Building Materials* under Section C402.5.1.3 *Materials* of the 2021 International Energy Conservation Code (IECC).

The sample supplied is a self-adhered membrane.

Test Methods: Testing was completed as described in ASTM E2178-13: *Standard Test Method for Air Permeance of Building Materials* which references ASTM E283: *Standard Test Method for Rate of Air Leakage through Exterior Windows, Curtain Walls, and Doors*.

Sampling: The following materials were received by PRI.

<u>Product</u>	<u>Source</u>	<u>Date Received</u>	<u>Sampling</u>
Butyl Adhesive Tape	Ontario, CA	June 9 th , 2021	IAPMO-IBT

1848T0004

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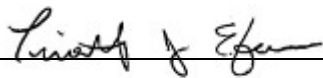
Results: Test data, including error analysis are contained in Appendix A. Summary of results are shown in Table 1 below. Conditions at the beginning of testing were 23°C (73°F) with 50% Rh.

Table 1. Air Permeability at $\Delta P = 75\text{Pa}$ (0.3in.W.C)

Physical Properties	Test Method / Units	Results	2021 IECC Requirement
As received			
Air Permeability 5 specimens; @ $\Delta P = 75\text{Pa}$ (0.3in.W.C)	ASTM E2178		
	L/(s·m ²)	0.0008	≤ 0.02
	cfm/ft ²	0.0002	≤ 0.004

Statement of Attestation:

Testing was conducted in accordance with standard test methods described herein. The laboratory test results presented in this report are representative of the material supplied.

Signed: 
 Timothy Efaw
 Manager

Report Issue History:

Issue #	Date	Pages	Revision Description (if applicable)
Original	08/10/2021	5	NA

APPENDIX FOLLOWS...

1848T0004

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Appendix A: Test data

Client: Maxell
Project: 1848T0004
Test Method: ASTM E 2178: Standard Test Method for Air Permeance of Building Materials

Technician: AB

Test Specimens:

Width: 1.000 **Area:** 1.000 m²
Height: 1.000

Substrate: Butyl Adhesive Tape
Thickness:
Preparation:

Test Data:

Specimen 1:

ΔP_{ei} (Pa)	Q_{ei} (LPM)	ΔP_{ti} (Pa)	Q_{ti} (LPM)
301	0.500	298	0.595
152	0.232	149	0.330
98	0.132	102	0.259
76	0.095	76	0.214
48	0.053	49	0.161
23	0.020	27	0.110

log transformation

x_{ei}	y_{ei}	x_{ti}	y_{ti}
5.7071	-0.6931	5.6971	-0.5192
5.0239	-1.4602	5.0039	-1.1079
4.5850	-2.0254	4.6250	-1.3519
4.3307	-2.3528	4.3307	-1.5413
3.8712	-2.9445	3.8918	-1.8238
3.1355	-3.8919	3.2958	-2.2075

Specimen 2:

ΔP_{ei} (Pa)	Q_{ei} (LPM)	ΔP_{ti} (Pa)	Q_{ti} (LPM)
297	0.322	303	0.337
149	0.151	153	0.200
100	0.097	103	0.126
74	0.070	77	0.085
48	0.043	48	0.055
23	0.019	25	0.025

log transformation

x_{ei}	y_{ei}	x_{ti}	y_{ti}
5.6937	-1.1320	5.7137	-1.0877
5.0039	-1.8926	5.0304	-1.6094
4.6052	-2.3323	4.6347	-2.0715
4.3041	-2.6642	4.3438	-2.4651
3.8712	-3.1415	3.8712	-2.9004
3.1355	-3.9527	3.2189	-3.6889

Specimen 3:

ΔP_{ei} (Pa)	Q_{ei} (LPM)	ΔP_{ti} (Pa)	Q_{ti} (LPM)
300	0.260	299	0.455
150	0.181	149	0.270
99	0.146	99	0.199
77	0.128	76	0.163
50	0.102	50	0.119
27	0.074	27	0.088

log transformation

x_{ei}	y_{ei}	x_{ti}	y_{ti}
5.7038	-1.3486	5.7004	-0.7881
5.0106	-1.7097	5.0039	-1.3089
4.5951	-1.9262	4.5951	-1.6146
4.3438	-2.0571	4.3307	-1.8123
3.9120	-2.2821	3.9120	-2.1253
3.2958	-2.6031	3.2958	-2.4304

Specimen 4:

ΔP_{ei} (Pa)	Q_{ei} (LPM)	ΔP_{ti} (Pa)	Q_{ti} (LPM)
300	0.377	300	2.638
152	0.216	151	1.405
100	0.154	102	0.980
73	0.119	75	0.739
50	0.087	47	0.481
27	0.053	25	0.270

log transformation

x_{ei}	y_{ei}	x_{ti}	y_{ti}
5.7038	-0.9763	5.7038	0.9700
5.0239	-1.5302	5.0173	0.3401
4.6052	-1.8714	4.6250	-0.0199
4.2905	-2.1278	4.3175	-0.3021
3.9120	-2.4362	3.8501	-0.7309
3.2958	-2.9382	3.2189	-1.3102

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1848T0004

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Specimen 5:

ΔP_{ei} (Pa)	Q_{ei} (LPM)	ΔP_{ti} (Pa)	Q_{ti} (LPM)
304	0.278	298	0.297
151	0.161	148	0.180
100	0.117	101	0.124
78	0.096	77	0.116
47	0.065	54	0.072
23	0.037	25	0.045

log transformation

x_{ei}	y_{ei}	x_{ti}	y_{ti}
5.7170	-1.2814	5.6971	-1.2140
5.0173	-1.8260	4.9972	-1.7148
4.6052	-2.1468	4.6151	-2.0875
4.3567	-2.3402	4.3438	-2.1542
3.8501	-2.7345	3.9890	-2.6245
3.1355	-3.2907	3.2189	-3.0958

Analysis:

$$Q = CA(\Delta P)^n$$

$$\ln(Q/A) = \ln(C) + n \ln(\Delta P)$$

$$y_i = \ln(C) + nx_i$$

Coefficient of Determination:

Specimen 1		Specimen 2		Specimen 3		Specimen 4		Specimen 5	
R^2_{ei}	R^2_{ti}	R^2_{ei}	R^2_{ti}	R^2_{ei}	R^2_{ti}	R^2_{ei}	R^2_{ti}	R^2_{ei}	R^2_{ti}
1.000	0.998	1.000	0.997	1.000	0.997	1.000	1.000	1.000	0.995

Normalized Data:

Specimen 1:

ΔP (Pa)	Q (LPM)	Q/A (L/(s*m ²))
300	0.041	0.0007
150	0.129	0.0022
100	0.131	0.0022
75	0.124	0.0021
50	0.107	0.0018
25	0.077	0.0013

log transformation

x_{ei}	y_{ei}
5.7038	-7.2922
5.0106	-6.1407
4.6052	-6.1255
4.3175	-6.1854
3.9120	-6.3254
3.2189	-6.6522

Specimen 2:

ΔP (Pa)	Q (LPM)	Q/A (L/(s*m ²))
300	0.043	0.0007
150	0.025	0.0004
100	0.018	0.0003
75	0.014	0.0002
50	0.010	0.0002
25	0.006	0.0001

log transformation

x_{ei}	y_{ei}
5.7038	-7.2408
5.0106	-7.7674
4.6052	-8.0950
4.3175	-8.3343
3.9120	-8.6794
3.2189	-9.2868

Specimen 3:

ΔP (Pa)	Q (LPM)	Q/A (L/(s*m ²))
300	0.179	0.0030
150	0.090	0.0015
100	0.058	0.0010
75	0.041	0.0007
50	0.024	0.0004
25	0.007	0.0001

log transformation

x_{ei}	y_{ei}
5.7038	-5.8135
5.0106	-6.5021
4.6052	-6.9439
4.3175	-7.2838
3.9120	-7.8204
3.2189	-9.0915

Specimen 4:

ΔP (Pa)	Q (LPM)	Q/A (L/(s*m ²))
300	2.261	0.0377
150	1.182	0.0197
100	0.809	0.0135
75	0.618	0.0103
50	0.422	0.0070
25	0.220	0.0037

log transformation

x_{ei}	y_{ei}
5.7038	-3.2784
5.0106	-3.9269
4.6052	-4.3067
4.3175	-4.5764
3.9120	-4.9568
3.2189	-5.6083

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Specimen 5:

ΔP (Pa)	Q (LPM)	Q/A (L/(s*m ²))
300	0.027	0.0004
150	0.016	0.0003
100	0.012	0.0002
75	0.010	0.0002
50	0.007	0.0001
25	0.004	0.0001

log transformation

x_{ei}	y_{ei}
5.7038	-7.7181
5.0106	-8.2228
4.6052	-8.5185
4.3175	-8.7285
3.9120	-9.0248
3.2189	-9.5322

AVERAGE

x_i	y_i
5.7038	-6.2686
5.0106	-6.5120
4.6052	-6.7979
4.3175	-7.0217
3.9120	-7.3614
3.2189	-8.0342

Statistical Analysis:

\bar{x} = 4.4613
 \bar{y} = -6.9993
 S_x^2 = 0.7464
 S_y^2 = 0.4029
 S_{xy} = 0.5385

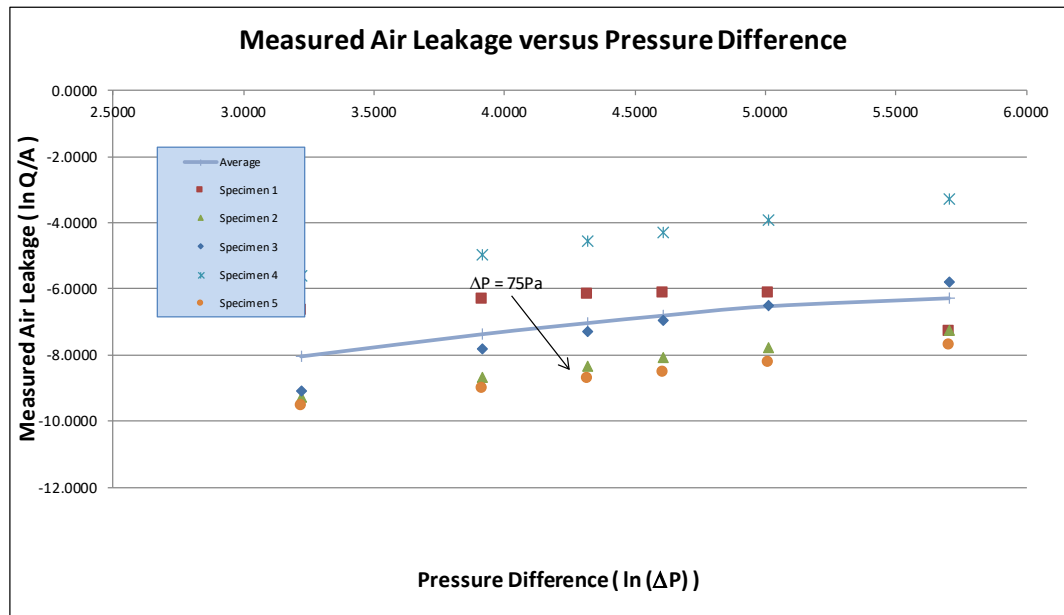
95% Confidence Interval
 n = 0.7214 0.5283 - 0.9145
 ln(C) = -10.2177 -11.0925 - -9.3428
 C = 0.0000 0.0000 - 0.0001
 $S_{ln(c)}$ 0.3151

Air Leakage versus Differential Pressure:

ΔP (Pa)	Q/A (L/(s*m ²))	95% Confidence Interval	
25	0.0004	0.0001	- 0.0013
50	0.0006	0.0003	- 0.0014
75	0.0008	0.0004	- 0.0017
100	0.0010	0.0005	- 0.0020
150	0.0014	0.0006	- 0.0031
300	0.0022	0.0006	- 0.0081

Air Permeance versus Differential Pressure:

ΔP (Pa)	Permeance (L/(s*m ² *Pa))	95% Confidence Interval	
25	0.0000	0.0000	- 0.0001
50	0.0000	0.0000	- 0.0000
75	0.0000	0.0000	- 0.0000
100	0.0000	0.0000	- 0.0000
150	0.0000	0.0000	- 0.0000
300	0.0000	0.0000	- 0.0000



End of Report

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Date : May 6th, 2021

Mr. Jay Mishra
IAPMO Institute of Building Technology (IBT)
4755 E. Philadelphia Street
Ontario, CA 91761

Subject: Test Sample Identification

Dear Mr. Mishra:

In accordance with the requirement of the ICC-ES Acceptance Criteria for Test Reports (AC85), section 3.2, this declaration is being submitted by Maxell, Ltd.

The identification of the samples submitted for testing is as follows:

	Product Name	Part Number	Size	Color	Lot No.	Date of Manufacture	Place of Manufacture
Sample1	Butyl Adhesive Tape	No.9940	1000mm × 20m	Black	2420104C	April 20 th , 2021	JAPAN
Sample2	Acrylic Adhesive Tape	No.3494	1000mm × 20m	White	3040205	April 2 nd , 2021	JAPAN

Maxell, Ltd. is certifying that the products identified above, and submitted to IAPMO IBT for testing is representative of the standard manufactured product to be covered in the evaluation report.

Please feel free to call if you have any questions.

Sincerely,

Takahiro Sakai,
Senior Manager
Business Planning Department