Lions Floor

TEST REPORT

SCOPE OF WORK
Radius Mark

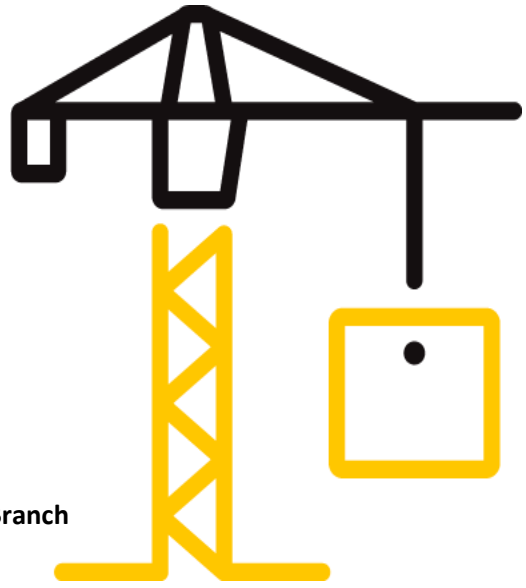
REPORT NUMBER
260911002SHF-004

TEST DATE(S)
2026-09-11 - 2026-10-13

ORIGINAL ISSUE DATE
2026-10-13

PAGES
11

DOCUMENT CONTROL NUMBER
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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch

Test Report

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch
Plant 5 & 11(4F), No. 6958 Daye Road, Fengxian District, Shanghai, China
Tel: +86 21-61136116 Fax: 021-61189921
Website: www.intertek.com

Test Report

Original Issue Date: 2026-10-13 Intertek Report No. 260911002SHF-004

Applicant: Lions Floor

Address: 7300 somerset blvd， paramount， CA 90723

Attn: Jerry Guo

Test Type: Performance test, samples provided by the applicant.

Product Information

Product Name	Model	Specification
Radius Mark	LI-FL01	1524*228.6*5mm
Sample ID	**Sample Amount**	**Sample Received Date**
S260911002SHF.010~016	10pcs	2026-08-26
Sample Description		**Brand**
1524*228.6*5mm		FormaLay

Test Methods And Standards

Test Standard	ANSI A326.3-2021, ASTM F2421-19a(2024), ASTM F410-08(2022), ASTM F1914-18(2023), ASTM F2199-20, ASTM F925-13(2020), ASTM F1514-19(2025)
Specification Standard	/
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:

1.This report does not involve sampling. The report only reflects conformity of the tested items of the samples provided by the applicant. Representativeness and authenticity of the submitted samples are responsibilities of the applicant.

Report Authorized

Name: Flora Fan Name: Roger Chen

Title: Reviewer Title: Project Engineer

Test Report

Original Issue Date: 2026-10-13 Intertek Report No. 260911002SHF-004

Test Items, Method and Results:

Test Item: Dynamic Coefficient of Friction

Test Method: ANSI A326.3-2021

Test Results:

Test Items	Test Method	Test Results
Dynamic Coefficient of Friction	ANSI A326.3-2021	Dry condition: 0.69 Wet condition: 0.38

Note:

1. Test item is subcontracted on accreditation by CNAS L1978.

Test Report

Original Issue Date: 2026-10-13 Intertek Report No. 260911002SHF-004

Test Items, Method and Results:

Test Item: Size

Test Method: ASTM F2421-19a(2024)

Conditioning: Condition the test specimens at (23 ± 2)°C and (50 ± 5)% relative humidity for at least 24h

Test Result:

Test item	Nominal value (mm)	Tested value (mm)	Tolerance (mm)
Length	1524	1524.5	0.5
Width	228.6	228.56	-0.04

Test Report

Original Issue Date: 2026-10-13 Intertek Report No. 260911002SHF-004

Test Items, Method and Results:

Test Item: Wear layer thickness
Test Method: ASTM F410-08(2022)
Conditioning: Condition the test specimens at (23 ± 2)°C and (50 ± 5)% relative humidity for at least 24h

Test Result:

Nominal value:	/	mm
Average value:	0.51	mm
Max. value:	0.52	mm
Min. value:	0.50	mm

Test Report

Original Issue Date: 2026-10-13 Intertek Report No. 260911002SHF-004

Test Items, Method and Results:

Test Item: Residual indentation

Test Method: ASTM F1914-18(2023)

Conditioning: Condition the test specimens at (23 ± 2)°C and (50 ± 5)% relative humidity for at least 24h

Test Condition:

Indenter:	Steel cylindrical foot	
Indenter diameter:	4.52	mm
Total load applied:	63.5	kg
Indentation time:	10	min
Recovery time:	60	min

Test Result:

Residual Indentation	Result (mm)	Result (%)
Specimen 1	0.22	4.5
Specimen 2	0.19	3.9
Specimen 3	0.23	4.6
Average value	0.21	4.3
Max. value	0.23	4.6

Test Report

Original Issue Date: 2026-10-13 Intertek Report No. 260911002SHF-004

Test Items, Method and Results:

Test Item: Dimensional stability

Test Method: ASTM F2199-20

Conditioning:

Temperature:	23	°C
Relative humidity:	50	%
Duration:	24	h

Measure the initial length

Test Condition:

Temperature:	82	°C
Duration:	6	h

Reconditioning:

Temperature:	23	°C
Relative humidity:	50	%
Duration:	24	h

Measure the final length

Test Result:

Specimen	Dimensional stability (%)	
	Length direction/Machine direction	Width direction/Across machine direction
1	-0.03	-0.05
2	-0.03	-0.04
3	-0.03	-0.04
Average	-0.03	-0.04
Max.	-0.03	-0.05

Note:

1. Dimensional stability = (final length - initial length)×100/initial length

A negative value indicates shrinkage, and a positive value indicates expansion

Test Report

Original Issue Date: 2026-10-13 Intertek Report No. 260911002SHF-004

Test Items, Method and Results:

Test Item: Resistance to Chemicals

Test Method: ASTM F925-13(2020)

Conditioning: Condition the test specimens at (23 ± 2)°C and (50 ± 5)% relative humidity for at least 24h

Test Condition:

Duration of reagent contact: 60 min

Test Result:

Not affected

See below table for detailed test results

Detailed test results of Resistance to Chemicals

Reagent	Rating		
	Surface attack	Color change	Surface dulling
White vinegar (5% acetic acid)	0	0	0
Rubbing alcohol (70% isopropyl alcohol)	0	0	0
White mineral oil (medicinal grade)	0	0	0
Sodium hydroxide solution (5% NaOH)	0	0	0
Hydrochloric acid solution (5% HCl)	0	0	0
Sulfuric acid solution (5% H_2SO_4)	0	0	0
Household ammonia solution (5% NH_4OH)	0	0	0
Household bleach (5.25% NaOCl)	0	0	0
Olive oil (light)	0	0	0
Kerozene (K1)	0	0	0
Unleaded gasoline (regular grade)	0	0	0
Phenol (5% active phenol)	0	0	0

According to ASTM F925-13(2020), rating 0-3 represents:
0 = no change; 1 = slight change; 2 = moderate change; 3 = severe change.
Surface Dulling - Indicating that the specimen suffered from a loss of gloss,
Color Change - Indicating that the specimen suffered discoloration or bleaching, or both, and
Surface Attack - Indicating that the specimen suffered surface damage such as softening, warping, swelling, blistering, peeling, raised or rough area.

Test Report

Original Issue Date: 2026-10-13 Intertek Report No. 260911002SHF-004

Test Items, Method and Results:

Test Item: Resistance to heat

Test Method: ASTM F1514-19(2025)

Conditioning: Condition the test specimens at (23 ± 2)°C and (50 ± 5)% relative humidity for at least 24h

Test Condition:

Temperature: 70 °C

Exposure time: 7 days

Spectrophotometer: Under D65 standard light source, 10° observer

Test Result:

Specimen	ΔE*	Average ΔE*
1	1.31	1.32
2	1.41	
3	1.25	

Test Photo:

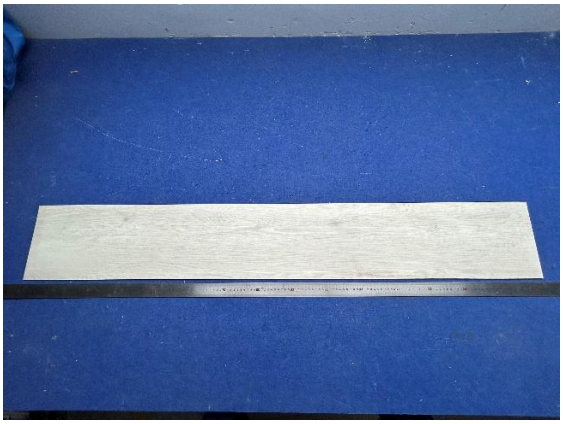


After exposure

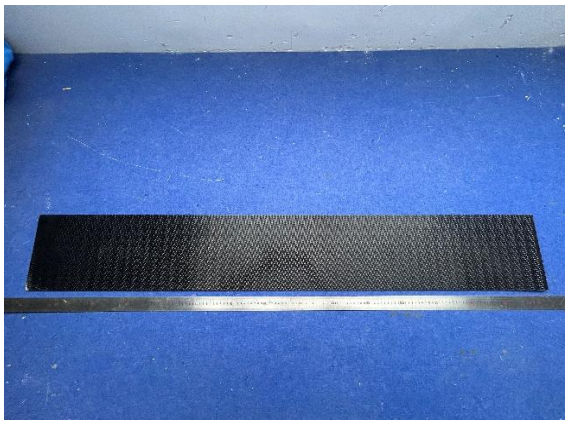
Test Report

Original Issue Date: 2026-10-13 Intertek Report No. 260911002SHF-004

Appendix A: Sample Received Photo



Front view



Back view

Revision:

NO.	Date	Changes
260911002SHF-004	2026-10-13	First issue