

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 1 of 36

CUSTOMER NAME: POMDEPOT LIMITED

ADDRESS: 17/ F, YAM TZE COMMERCIAL BUILDING, 23 THOMSON ROAD
WAN CHAI, HONG KONG.

Sample Name : I12N Amber Color PEI

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Ref. No. : GZMR260803011104; TJMR260800547804; SHMR260802174404

Sample Source : Customer-delivered

Date of Receipt : 2026-08-13

Testing Period : 2026-08-13 ~ 2026-09-08

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

(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. ShenZhen Branch

Jessie

Jessie Ho

Authorized signatory

Scan to see the report



SZIN2608002324PL04
Verification:
check.sgs.com.cn



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
Room 101-501, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com.cn
中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠(坂田)工业厂区厂房4号101-501、2号101、3号101、3号301-501 邮编:518129 t(86-755)25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 2 of 36

Summary of Results:

No.	Test Item	Test Method	Result
1	Dielectric Strength	ASTM D149-25	See result
2	Surface Resistivity	ASTM D257-14(Reapproved 2021)ε1	See result
3	Deflection Temperature under Load	ASTM D648-18	193.8°C
4	Compressive Test	ASTM D695-26	141 MPa
5	Shear Strength	ASTM D732-24	98.6 MPa
6	Charpy Notched Impact Strength	ASTM D6110-18	53J/m
7	Flexural Test	ASTM D790-25	See result
8	Tensile Modulus	ASTM D638-22 and client's requirement	3020MPa
9	Tensile Test	ASTM D638-22 and client's requirement	See result
10	Rockwell Hardness	ASTM D785-23	M110
11	Water Absorption	ASTM D570-22	See result
12	Density	ASTM D792-20	1280kg/m ³
13	Mean Coefficient of Linear Thermal Expansion	ISO 11359-2:2021	48x10 ⁻⁶ K ⁻¹
14	Melting Temperature (Tm)	ISO 11357-3:2025	See result
15	Thermal Conductivity (Transient Plane Heat Source Method)	ISO 22007-2:2022	0.20 W/(m·K)
16	Relative Permittivity	ASTM D150-22	See result



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-501, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com
 中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-501、2号101、3号301-501 邮编:518129 t:(86-755) 25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 3 of 36

1. Test Item: Dielectric Strength

Sample Aescription: A-Sheet

Test Method: ASTM D149-25

Lab Environmental Condition: (23 ± 2) °C, (50 ± 5) %RH

Test Result:

Sample A

Pretreatment Condition:(23±2) °C, (50±5) %RH, 48 h

Method of voltage application: Short-time (rapid-rise) test, 3000 V/s

Voltage type:AC 50 Hz

Test Temperature:(23±2) °C

Surround Medium: Transformer Oil

Electrode Type: Unequal diameter electrode (Ø 25/75 mm)

Specimen	Specimen Thickness,mm	Dielectric Breakdown Voltage,kV	Dielectric Strength,kV/mm
1	6.56	56.24	8.57
2	6.59	55.70	8.45
3	6.60	54.70	8.29
4	6.60	55.07	8.34
5	6.44	56.68	8.80
Average	N/A	55.68	8.49

Notes: Test specimens were cut from the sample.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-901, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com.cn
 中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编:518129 t:(86-755) 25328673 sgs.china@sgs.com

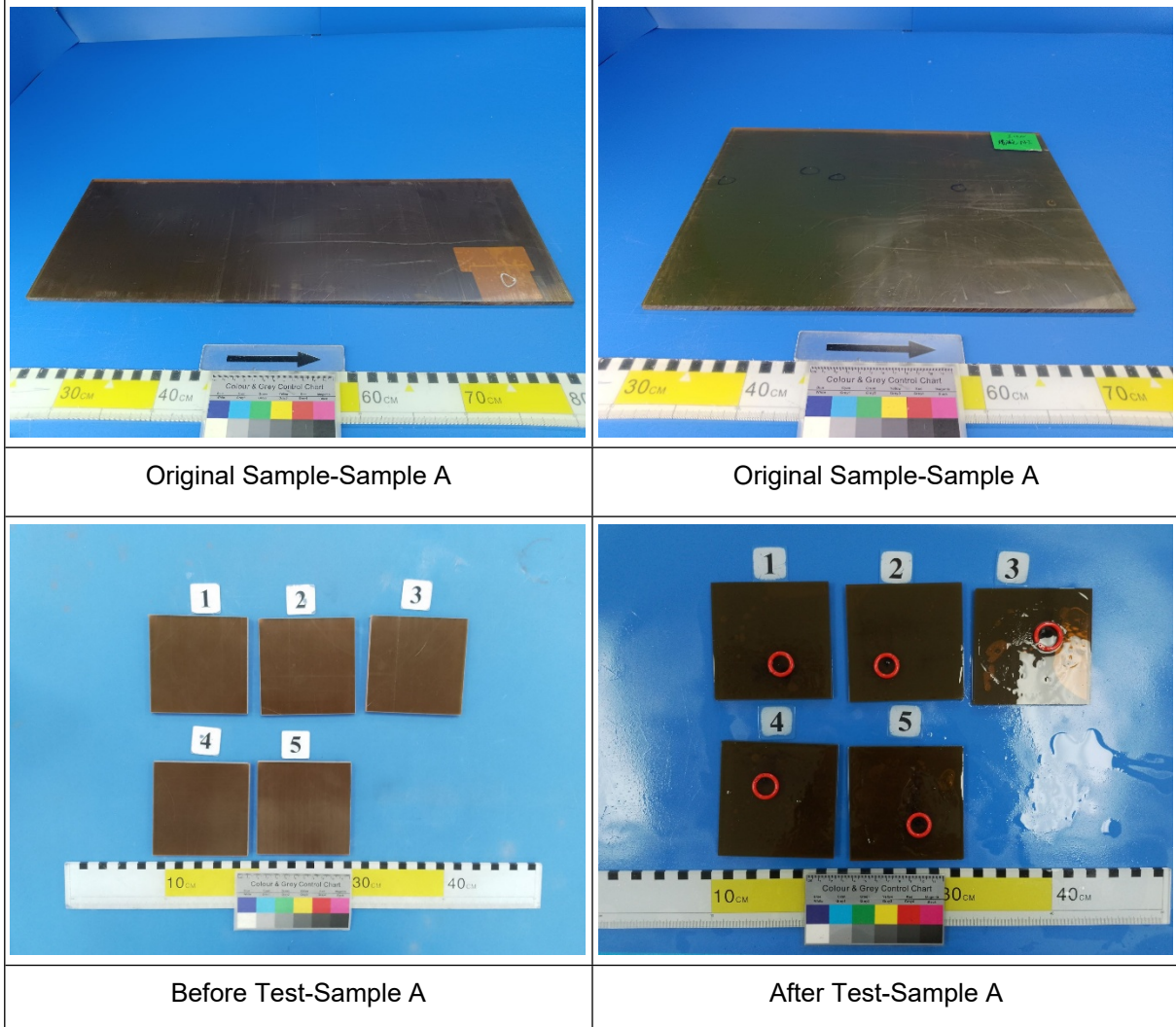
TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 4 of 36

Test Photo:



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Dielectric Breakdown Voltage Tester	DJC-100KV	GZMR-PL-E154-01	2026-04-30	2027-04-29
Digital Micrometer	MDC-1"MX	GZMR-PL-E048-10	2026-08-06	2027-08-05



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-901, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com
 中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编:518129 t:(86-755)25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 5 of 36

2. Test Item: Surface Resistivity

Sample Aescription: A-Sheet

Test Method: ASTM D257-14(Reapproved 2021)ε1

Lab Environmental Condition: (23 ± 2) °C, (50 ± 5) %RH

Test Result:

Sample A

Precondition:(23±2) °C, (50±5) %RH, 48 h

Test Electrode:D1=76 mm, D2=88 mm

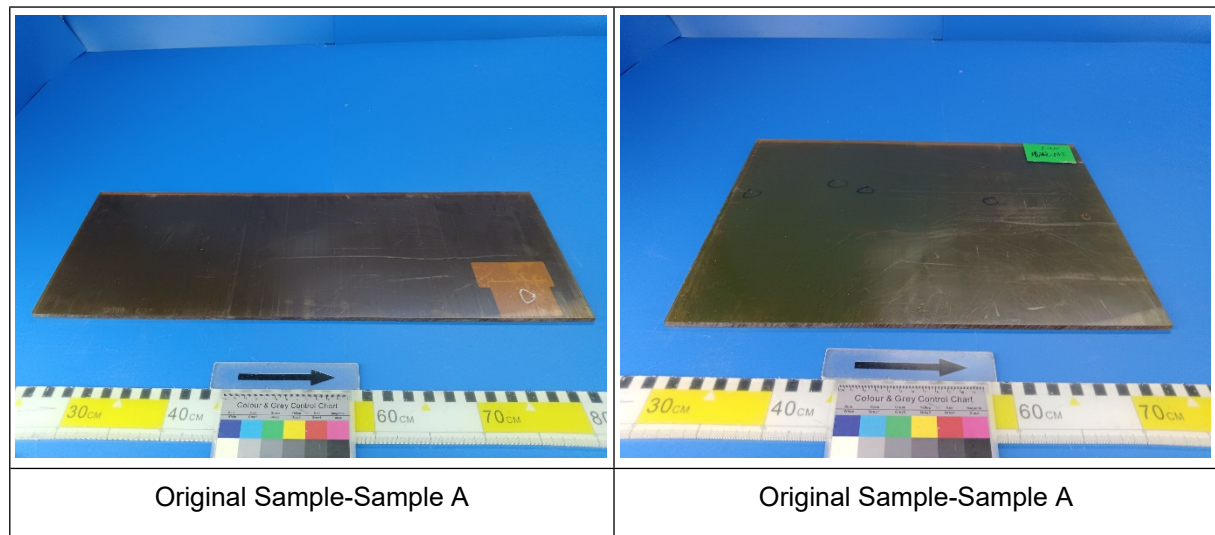
Test Voltage:500 Vdc

Test Duration:1 min

Specimen	Surface Resistance,Ω	Surface Resistivity,Ω
1	3.68e+13	1.58e+15
2	5.92e+13	2.54e+15
3	4.12e+13	1.77e+15
Average	4.57e+13	1.96e+15

Notes: e+n refers to 10ⁿ, for example, 1.00E+03 is equivalent to 1.00×10³.

Test Photo:



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

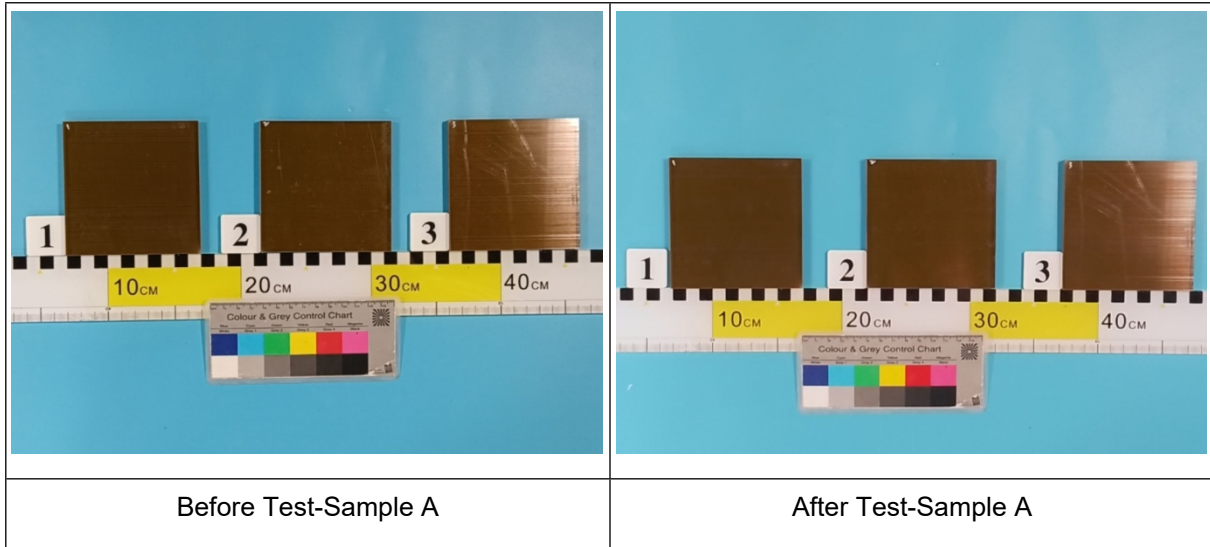
Room 101-501, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com.cn
中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编:518129 t(86-755)25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 6 of 36



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Digital Super Megohmmeter	DSM-8104	P-410	2025-12-02	2026-12-01
Annular electrode	-	P-410-3	2026-01-07	2027-01-06

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 7 of 36

3. Test Item: Deflection Temperature under Load

Sample Aescription: A-Sheet

Test Method: ASTM D648-18

Test Result:

Sample A

Test Method:B

Force Applied:1.82 MPa

Span:100 mm

Specimen Length:127 mm

Specimen Width:7.04 mm

Specimen Depth:12.70 mm

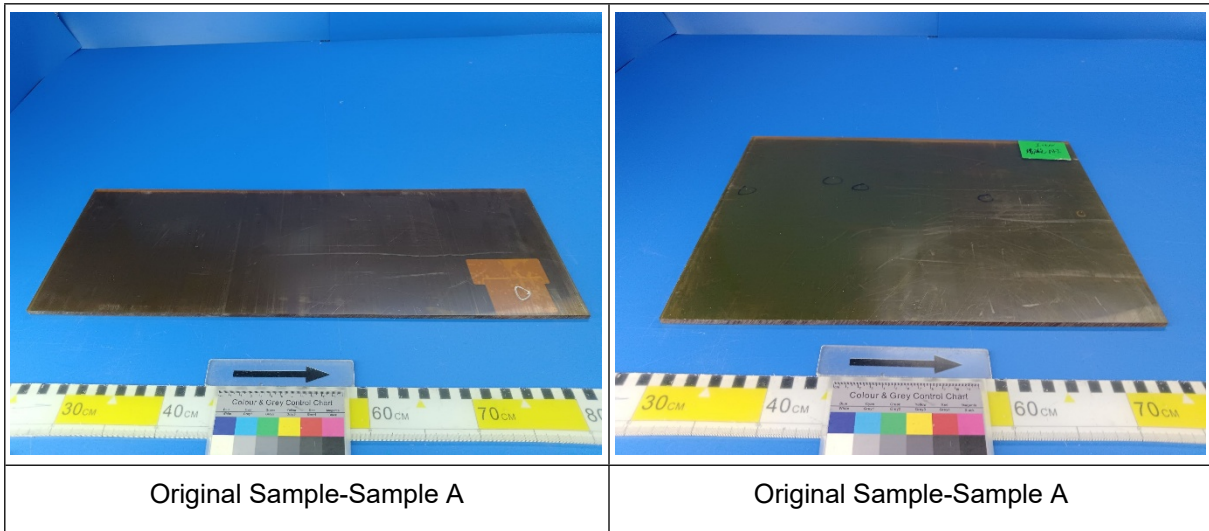
Heat-Transfer Media:Silicone Oil

Rate of Temperature:120°C/h

Test Item	Deflection Temperature under Load, °C
Test Result	193.8

Notes: Test specimens were cut from the sample.

Test Photo:



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

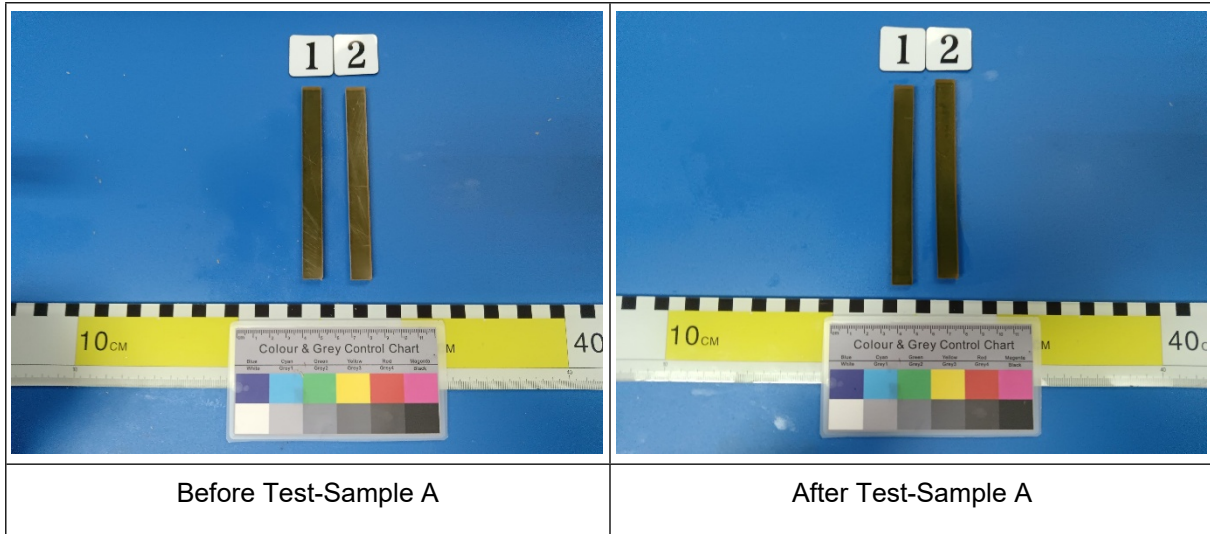
Room 101-501, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com
 中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编:518129 t:(86-755) 25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 8 of 36



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
HDT and VICAT Tester	6970.000	GZMR-PL-E091	2026-02-27	2027-02-26



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-501, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com
 中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业区厂房4号101-501、2号101、3号101、3号301-501 邮编: 518129 t(86-755) 25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 9 of 36

4. Test Item: Compressive Test

Sample Aescription: A-Sheet

Test Method: ASTM D695-26

Lab Environmental Condition: (23 ± 2) °C, (50 ± 5) %RH

Test Result:

Sample A

Test/Stress Direction:Length Direction

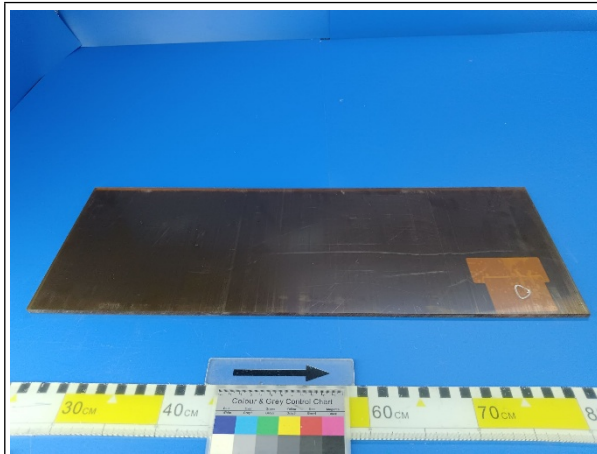
Test Speed:1.3 mm/min

Specimen: 25.5 mm × 12.8 mm × 6.92 mm

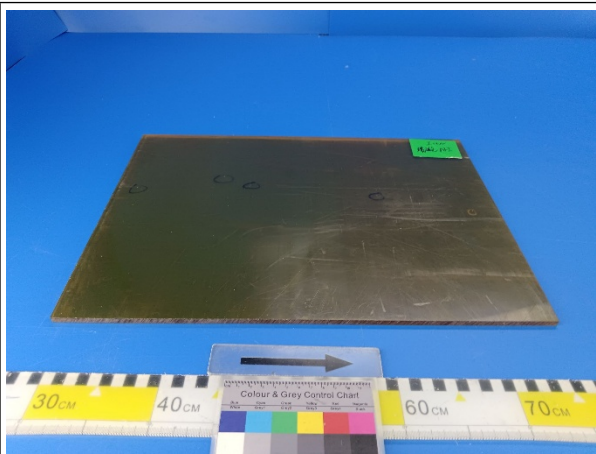
Test Item	Compressive Stress at 10% Strain, MPa
Test Result	141

Notes: Test specimens were cut from the sample.

Test Photo:



Original Sample-Sample A



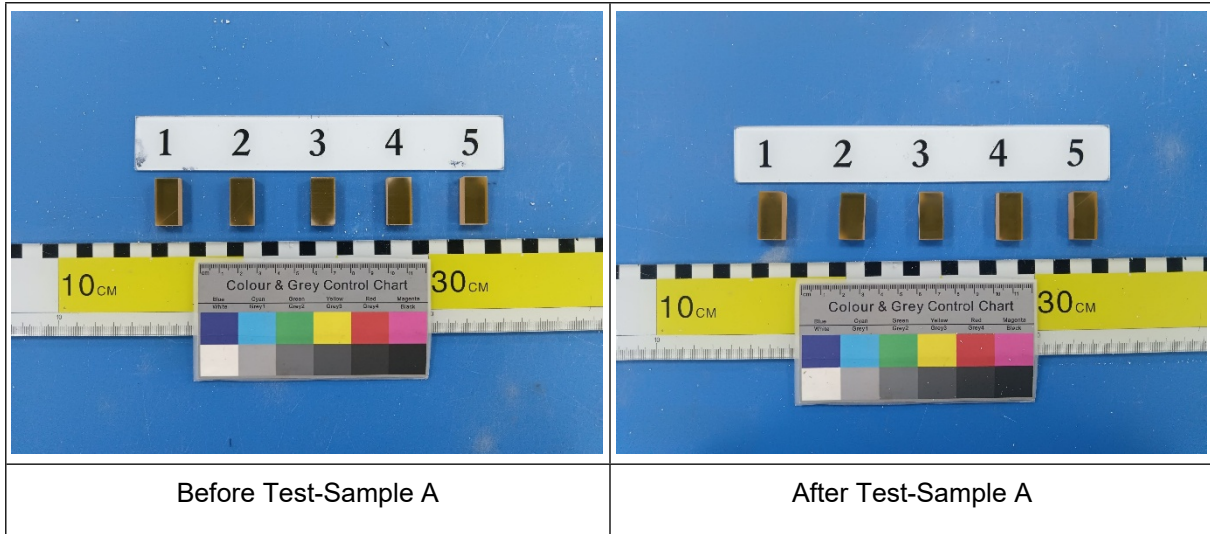
Original Sample-Sample A

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 10 of 36



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Universal testing machine	E45.105	GZMR-PL-E307	2025-11-06	2026-11-05



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-901, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com
 中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编: 518129 t(86-755) 25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 11 of 36

5. Test Item: Shear Strength

Sample Aescription: A-Sheet

Test Method: ASTM D732-24

Lab Environmental Condition: (23 ± 2) °C, (50 ± 5) %RH

Test Result:

Sample A

Specimen Thickness: 6.93 mm

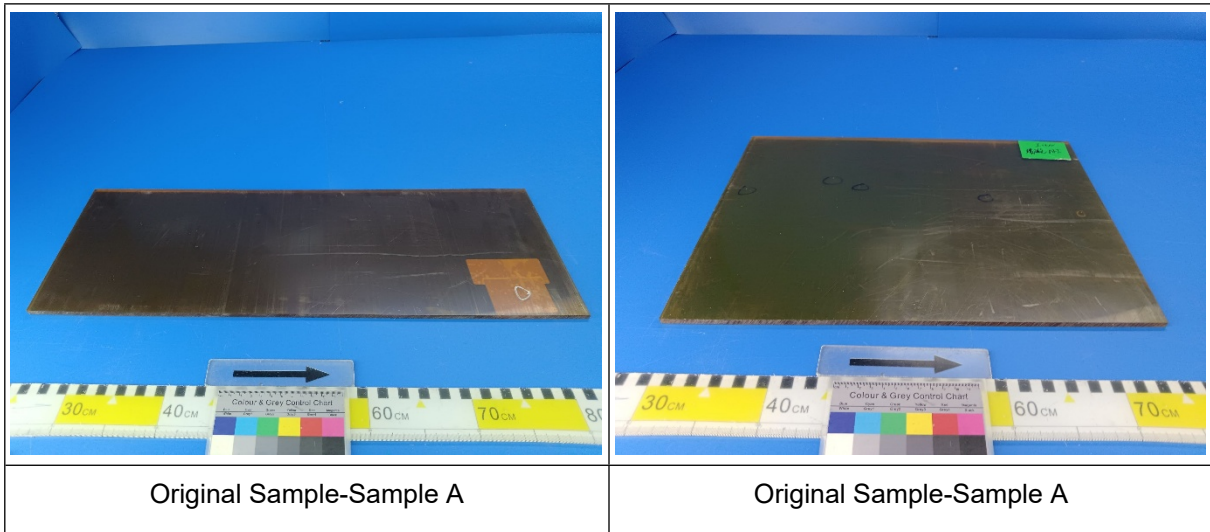
Punch Diameter: 25.37 mm

Test Speed: 1.27 mm/min

Test Item	Shear Strength, MPa
Test Result	98.6

Notes: Test specimens were cut from the sample.

Test Photo:

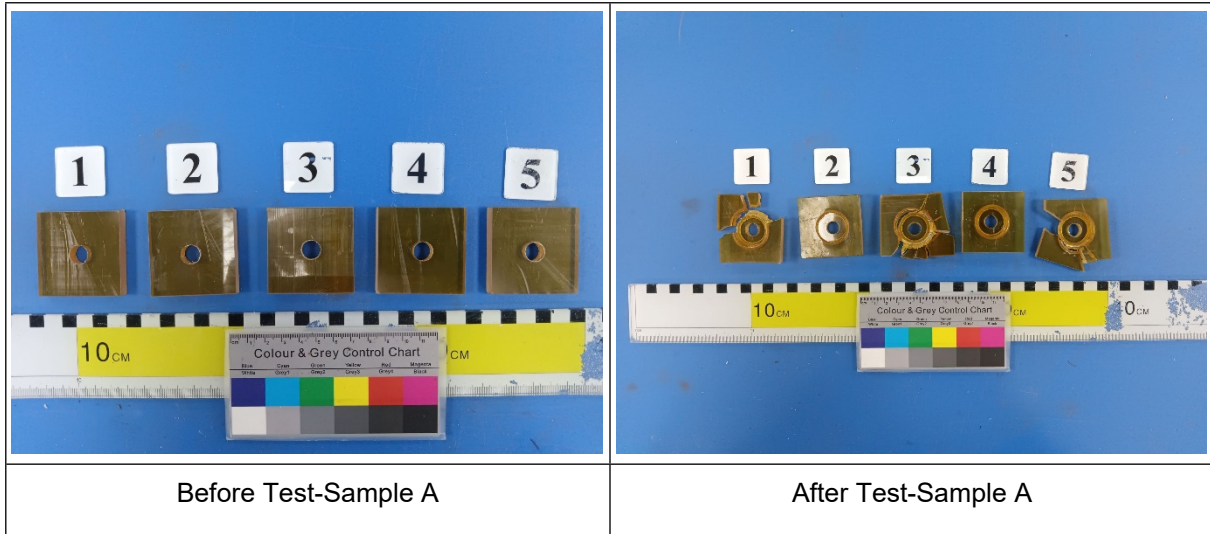


TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 12 of 36



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Universal testing machine	E45.105	GZMR-PL-E307	2025-11-06	2026-11-05



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-501, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com
 中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业区厂房4号101-901、2号101、3号301-501 邮编: 518129 t(86-755) 25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 13 of 36

6. Test Item: Charpy Notched Impact Strength

Sample Aescription: A-Sheet

Test Method: ASTM D6110-18

Lab Environmental Condition: (23 ± 2) °C, (50 ± 5) %RH

Test Result:

Sample A

The Capacity of the Pendulum:2.7 J

Impact Speed:3.5 m/s

Specimen Width:6.99 mm

Specimen remaining thickness at notch base: 10.18 mm

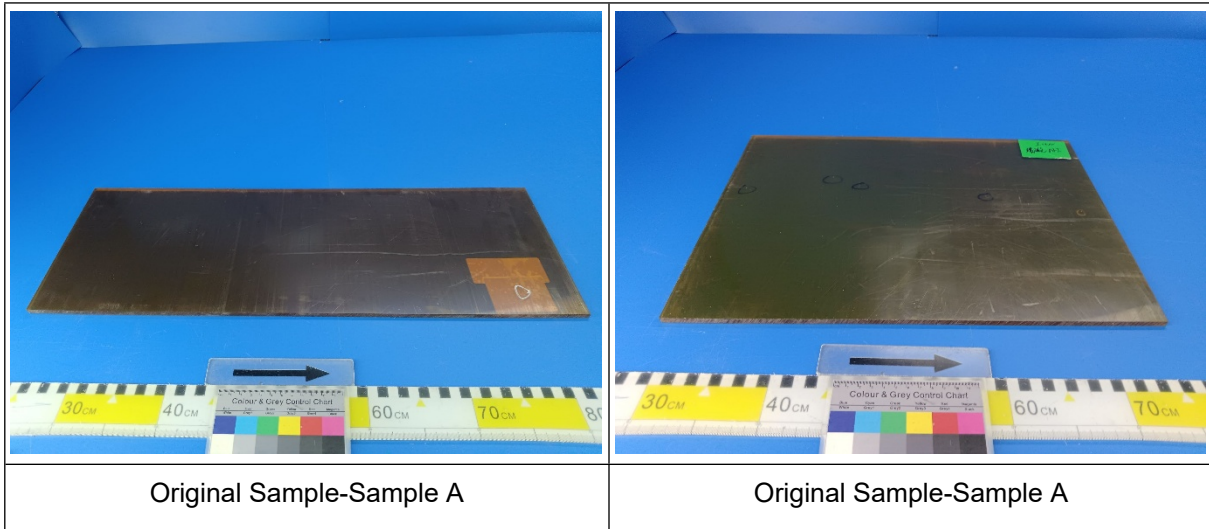
Span: 101.6 mm

Test Item	Charpy Notched Impact Strength, J/m
Test Result	53

Notes:

1. Test specimens were cut from the sample.
2. Notch preparation: Machining.

Test Photo:

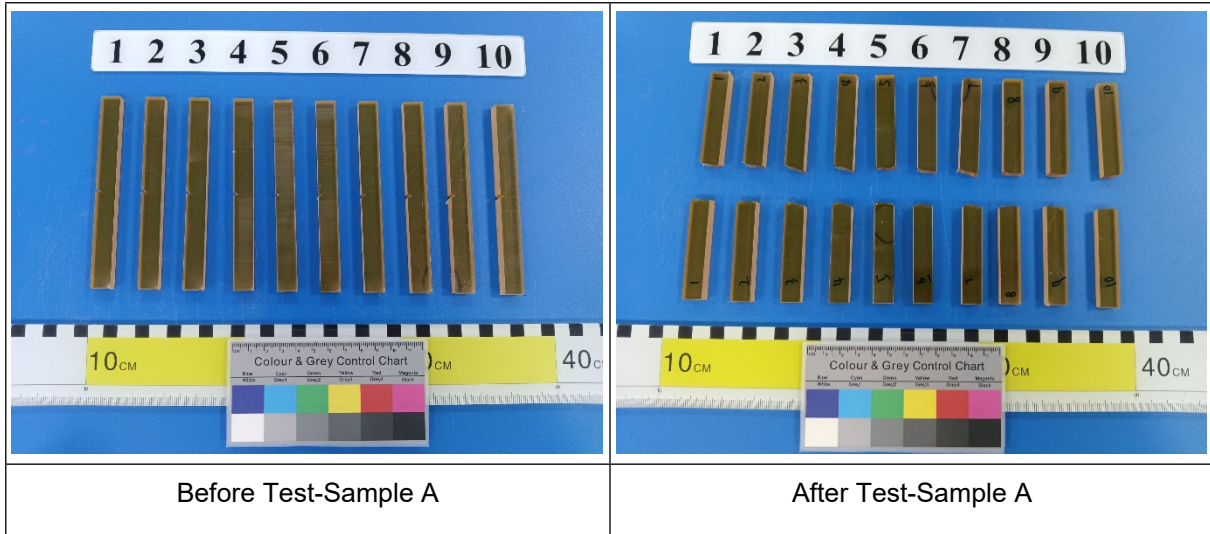


TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 14 of 36



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Impact Tester	HIT50P	GZMR-PL-E283	2026-03-03	2027-03-02



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-901, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com.cn
 中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业区厂房4号101-901、2号101、3号301-501 邮编: 518129 t: (86-755) 25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 15 of 36

7. Test Item: Flexural Test

Sample Aescription: A-Sheet

Test Method: ASTM D790-25

Lab Environmental Condition: (23 ± 2) °C, (50 ± 5) %RH

Test Result:

Sample A

Procedure:A

Span:113 mm

Test Speed:3 mm/min

Test Temperature:Room temperature

Specimen Length:130 mm

Specimen Width:12.8 mm

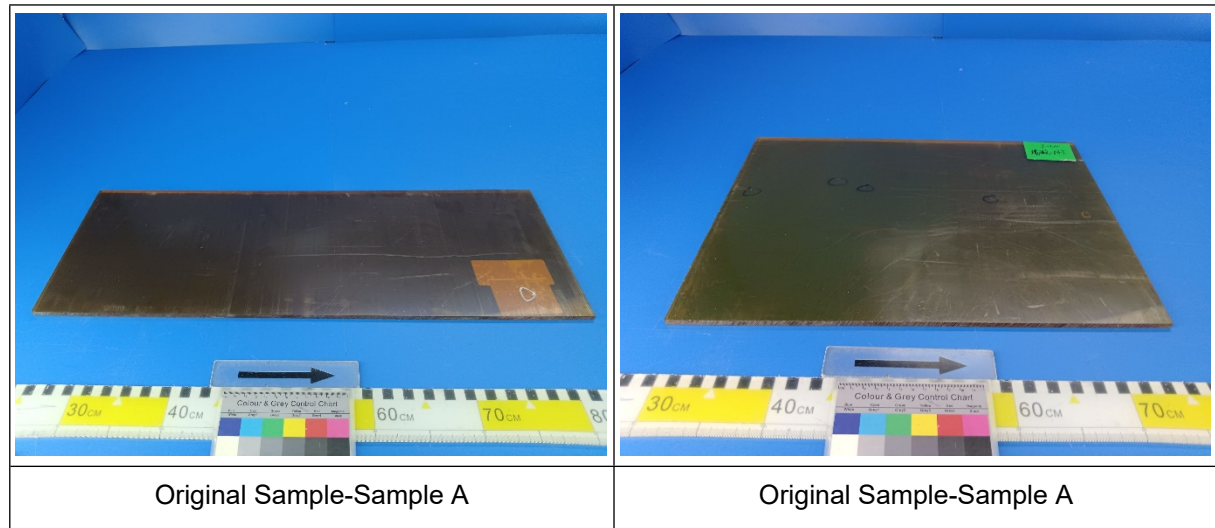
Specimen Thickness:7.04 mm

Test Item	Flexural Strength, MPa	Flexural Modulus, MPa
Test Result	150	3370

Notes:

1. Test specimens were cut from the sample.
2. Flexural strength was the maximum strength obtained over the 5% strain limit.

Test Photo:

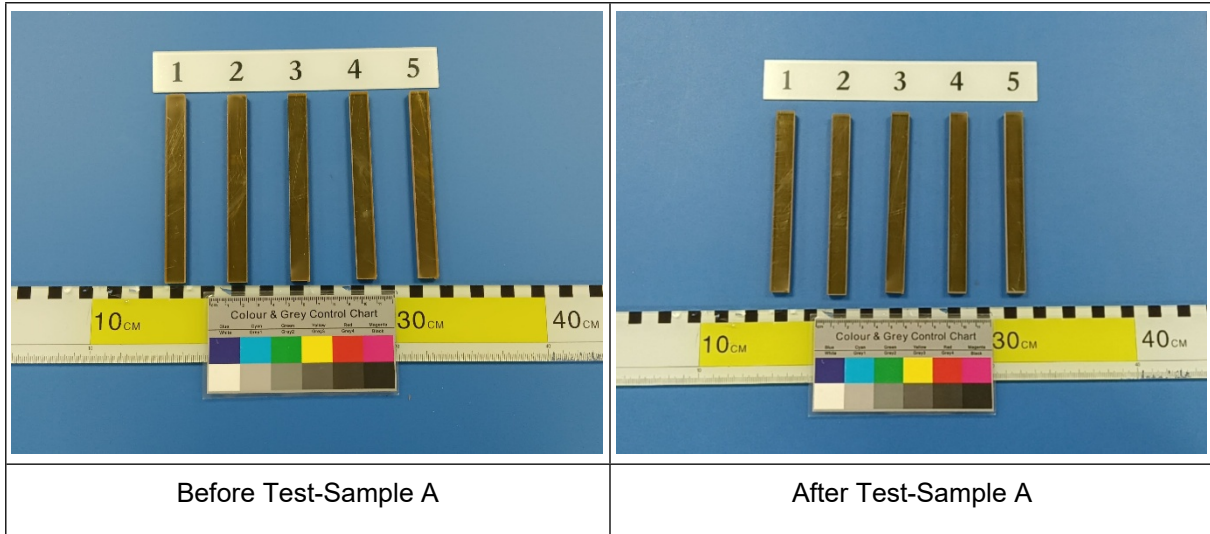


TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 16 of 36



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Universal testing machine	Z2.5	GZMR-PL-E370	2026-01-15	2027-01-14



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-501, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com
 中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编: 518129 t: (86-755) 25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 17 of 36

8. Test Item: Tensile Modulus

Sample Aescription: A-Sheet

Test Method: ASTM D638-22 and client's requirement

Lab Environmental Condition: (23 ± 2) °C, (50 ± 5) %RH

Test Result:

Sample A

Specimen Type:Type I

Test Speed:5 mm/min

Test Temperature:Room temperature

Gauge Length:50 mm

Initial Grip Distance:115 mm

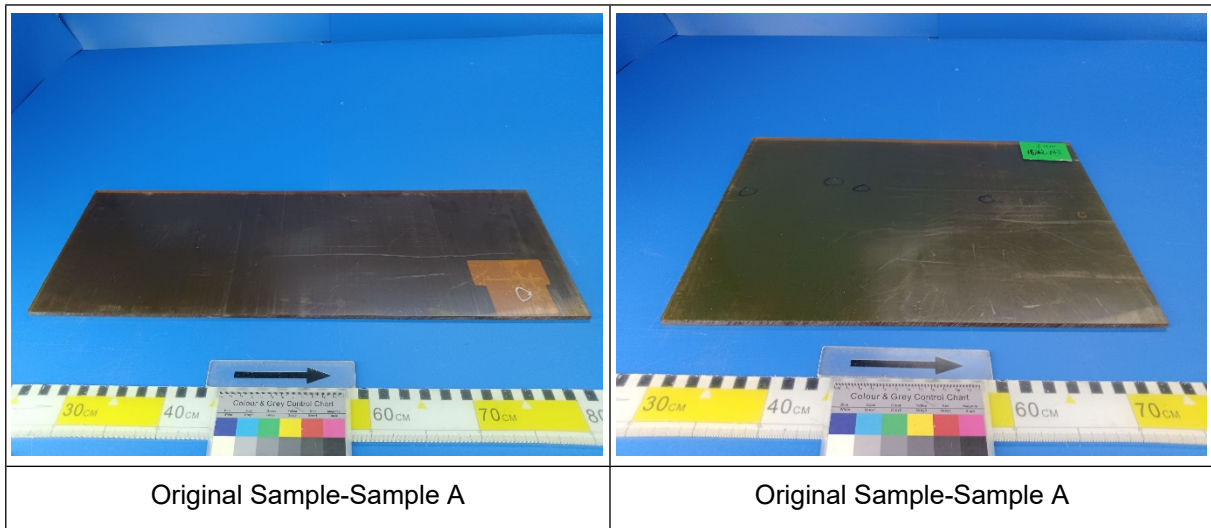
Specimen Thickness:7.066 mm

Test Item	Tensile Modulus, MPa
Test Result	3020

Notes:

1. Test specimens were cut from the sample.
2. The result was for reference only as thickness of the specimen did not meet the requirements specified in the standard.

Test Photo:



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

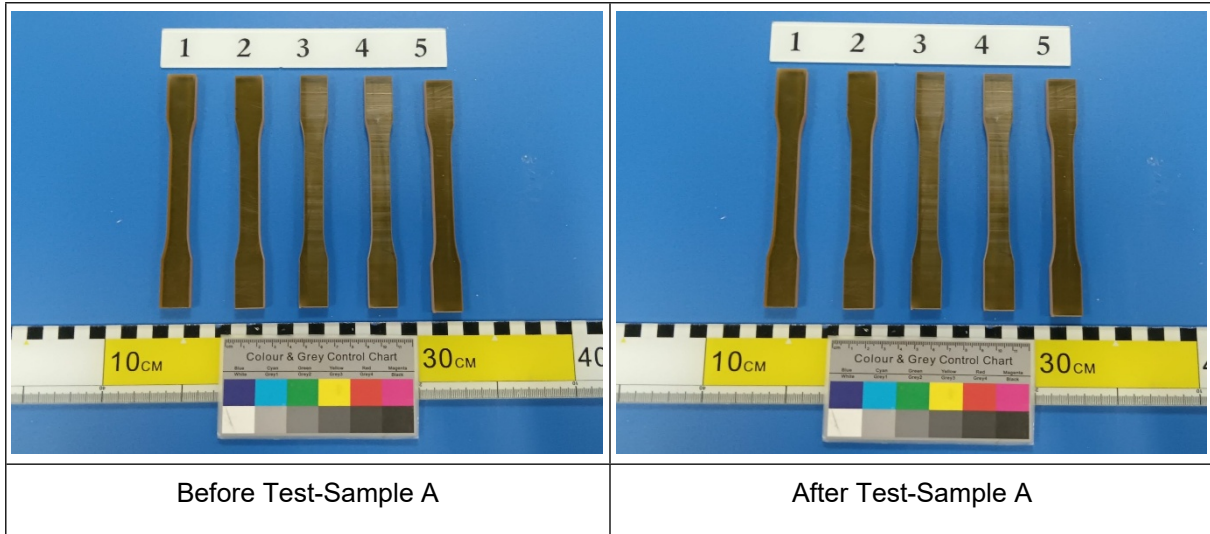
Room 101-501, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com.cn
中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-901、2号101、3号301-501 邮编:518129 t(86-755)25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 18 of 36



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Automation Universal Testing Machine	Z020	GZMR-PL-E399	2026-03-20	2027-03-19



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-501, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com
 中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编: 518129 t(86-755) 25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 19 of 36

9. Test Item: Tensile Test

Sample Aescription: A-Sheet

Test Method: ASTM D638-22 and client's requirement

Lab Environmental Condition: (23 ± 2) °C, (50 ± 5) %RH

Test Result:

Sample A

Specimen Type:Type I

Test Speed:5 mm/min

Test Temperature:Room temperature

Gauge Length:50 mm

Initial Grip Distance:115 mm

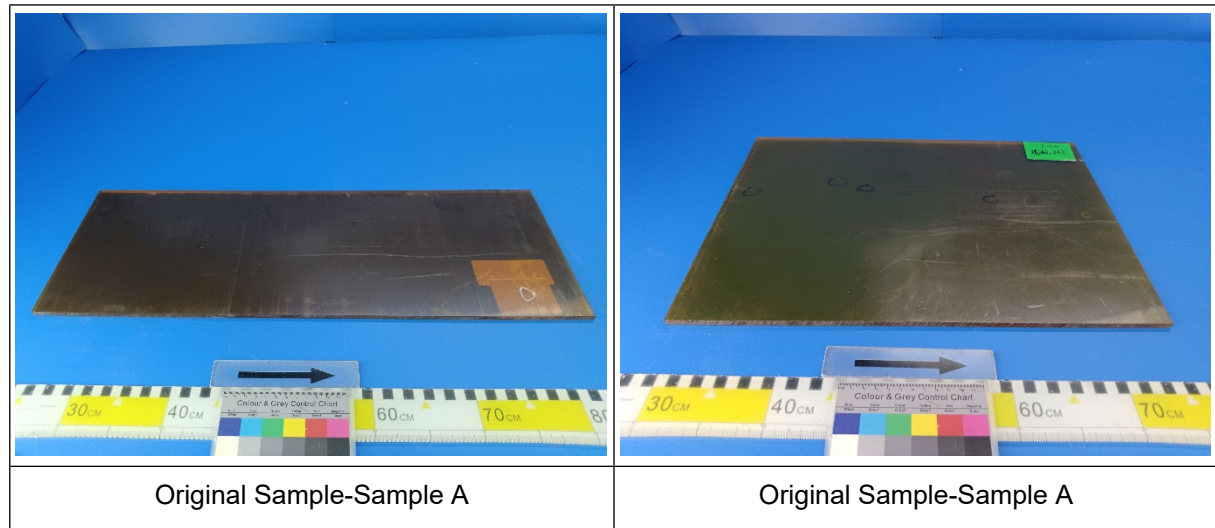
Specimen Thickness:7.066 mm

Test Item	Tensile Strength, MPa	Nominal Strain at Break, %
Test Result	109	9.0

Notes:

1. Test specimens were cut from the sample.
2. The result was for reference only as thickness of the specimen did not meet the requirements specified in the standard.

Test Photo:



Original Sample-Sample A

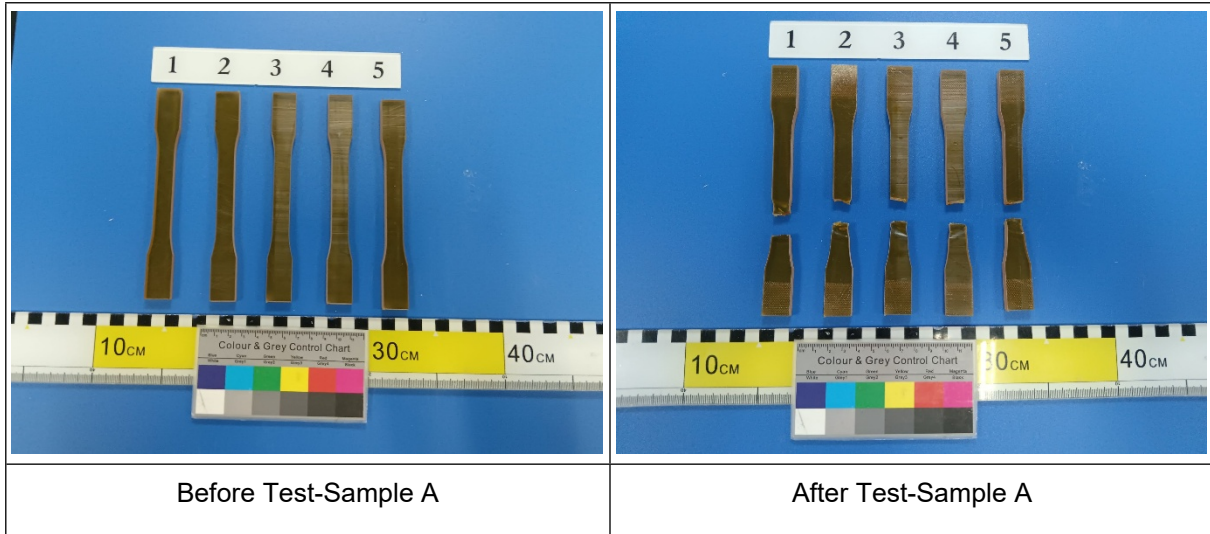
Original Sample-Sample A

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 20 of 36



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Automation Universal Testing Machine	Z020	GZMR-PL-E399	2026-03-20	2027-03-19



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-901, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com.cn
中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编:518129 t(86-755)25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 21 of 36

10. Test Item: Rockwell Hardness

Sample Aescription: A-Sheet

Test Method: ASTM D785-23

Lab Environmental Condition: (23 ± 2) °C, (50 ± 5) %RH

Test Result:

Sample A

Scale Plate:M

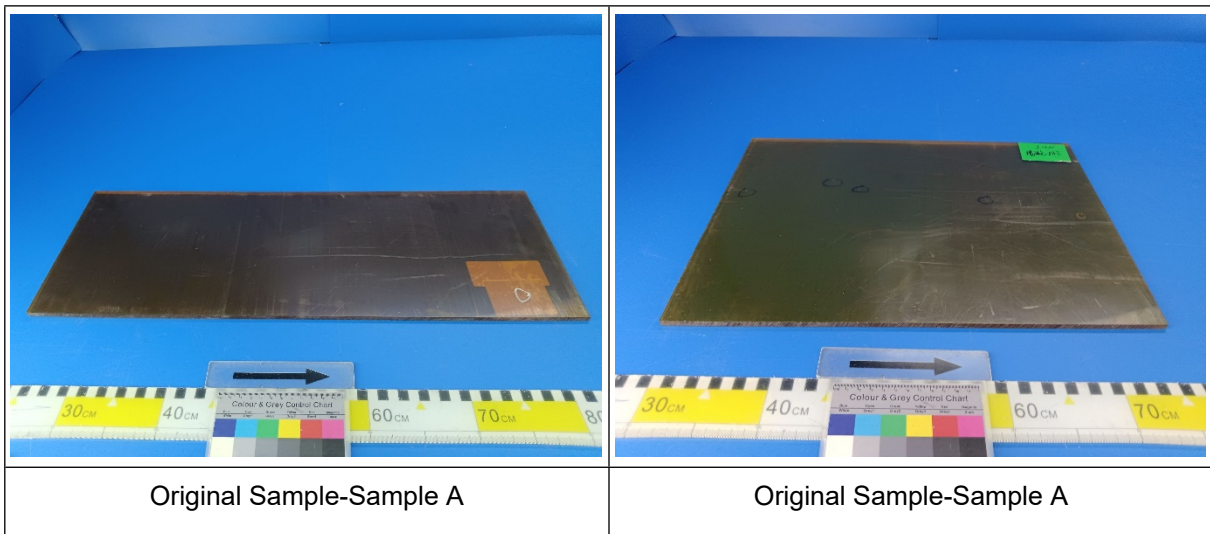
Procedure:A

Specimen thickness: 6.6 mm

Test Item	Rockwell Hardness
Test Result	M110

Notes: Test specimens were cut from the sample.

Test Photo:

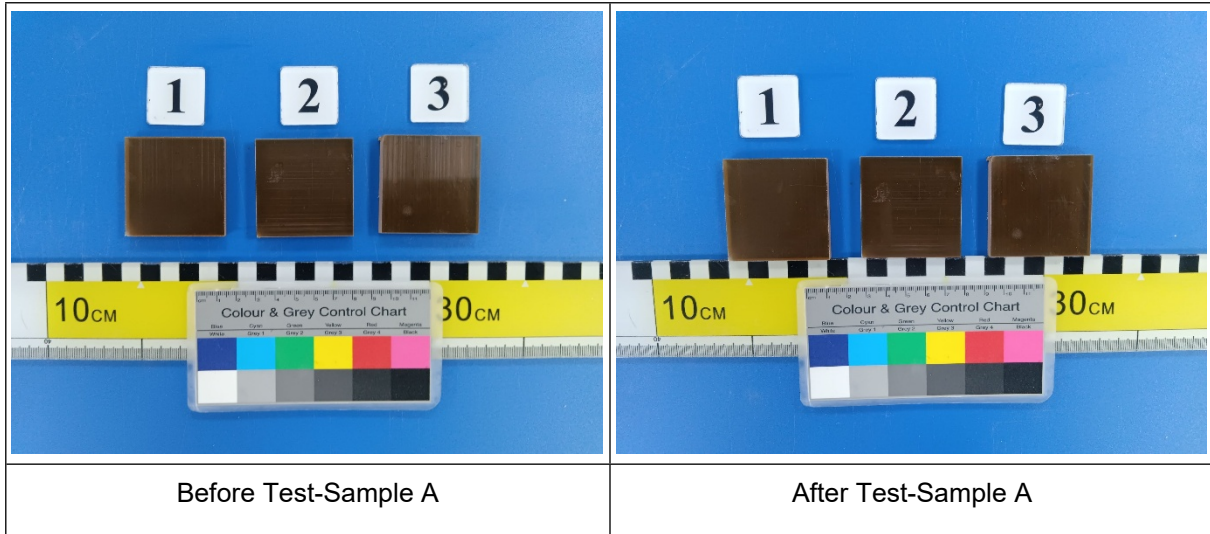


TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 22 of 36



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Rockwell Hardness Testing Machine	560RSS	GZMR-MT-E140	2026-06-25	2027-06-24



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-901, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com.cn
中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业区厂房4号101-901、2号101、3号301-501 邮编:518129 t(86-755)25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 23 of 36

11. Test Item: Water Absorption

Sample Aescription: A-Sheet

Test Method: ASTM D570-22

Lab Environmental Condition: (23 ± 2) °C, (50 ± 5) %RH

Test Result:

Sample A-Condition 1

Dry Condition:(50±2) °C, (24±1) h

Immerse Condition:(23 ± 1) °C, 24 h

Specimen: 76.1mm×25.4mm×6.83mm

Test Item	Water Absorption, %
Test Result	0.10

Notes:

1. Test specimens were cut from the sample.
2. Water absorption, %=(Mass after immersion-Mass after drying and before immersion)/Mass after drying and before immersion×100.

Sample A-Condition 2

Dry Condition:(50±2) °C, (24±1) h

Immerse Condition:Soak at 23°C until fully saturated

Specimen: 76.1mm×25.4mm×6.82mm

Test Item	Saturation Water Absorption, %
Test Result	0.13

Notes:

1. Test specimens were cut from the sample.
2. Water absorption, %=(Mass after immersion-Mass after drying and before immersion)/Mass after drying and before immersion×100



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-501, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com.cn
 中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编:518129 t(86-755)25328673 sgs.china@sgs.com

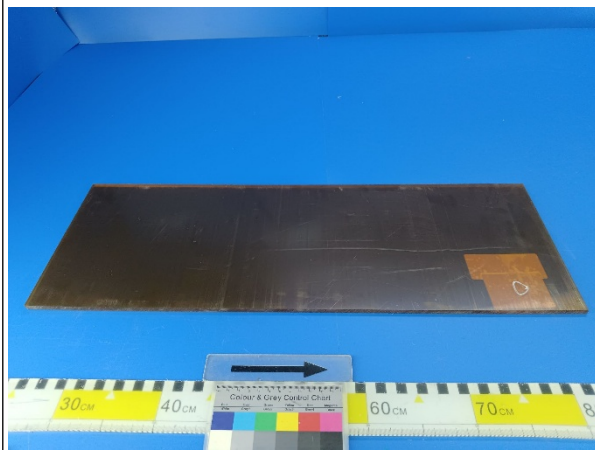
TEST REPORT

No.: SZIN2608002324PL04_EN

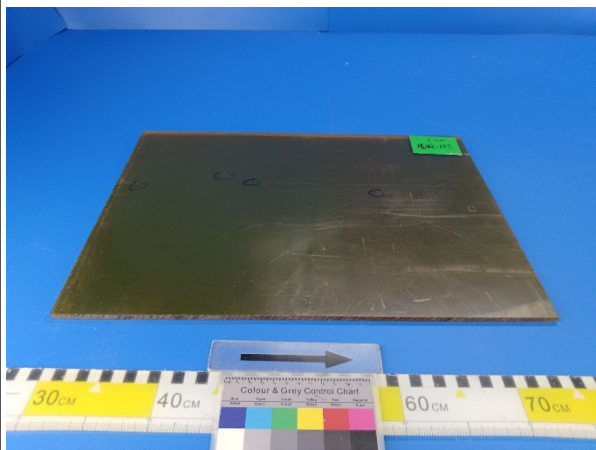
Issue Date: 2026-09-08

Page: 24 of 36

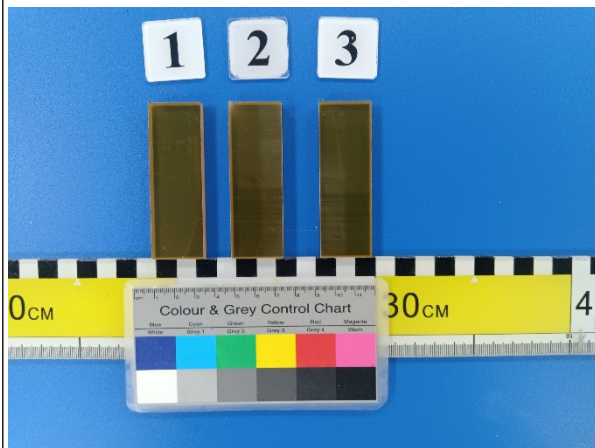
Test Photo:



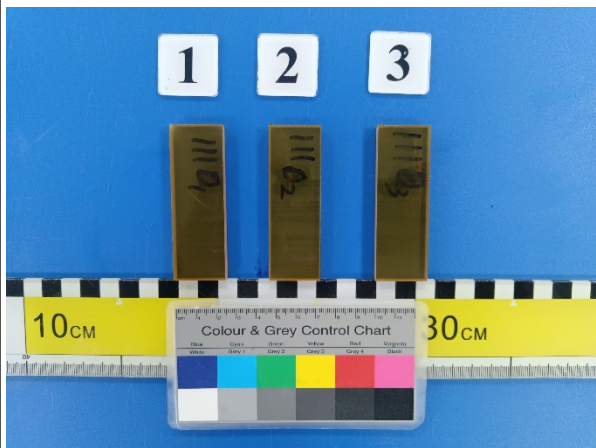
Original Sample-Sample A



Original Sample-Sample A



Before Test-Sample A-Condition 1



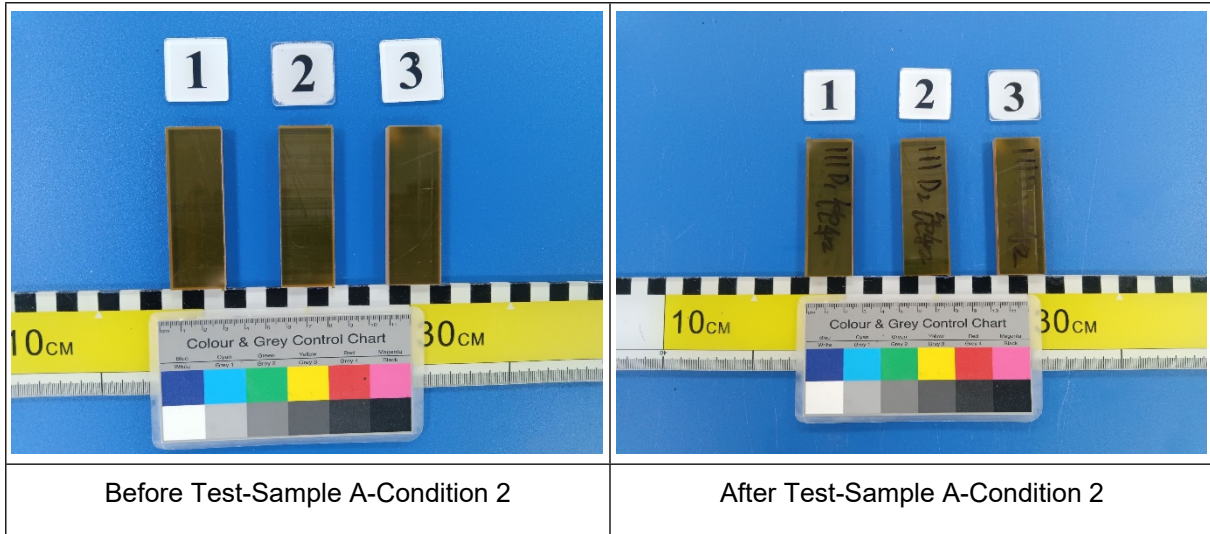
After Test-Sample A-Condition 1

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 25 of 36



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Electron Balance	XPE404S	GZMR-PL-E004-07	2026-05-22	2027-05-21
Oven	UF110	GZMR-PL-E317	2025-12-04	2026-12-03



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-501, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com.cn
 中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-901、2号101、3号301-501 邮编:518129 t(86-755)25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 26 of 36

12. Test Item: Density

Sample Aescription: A-Sheet

Test Method: ASTM D792-20

Lab Environmental Condition: (23 ± 2) °C, (50 ± 5) %RH

Test Result:

Sample A

Method:B

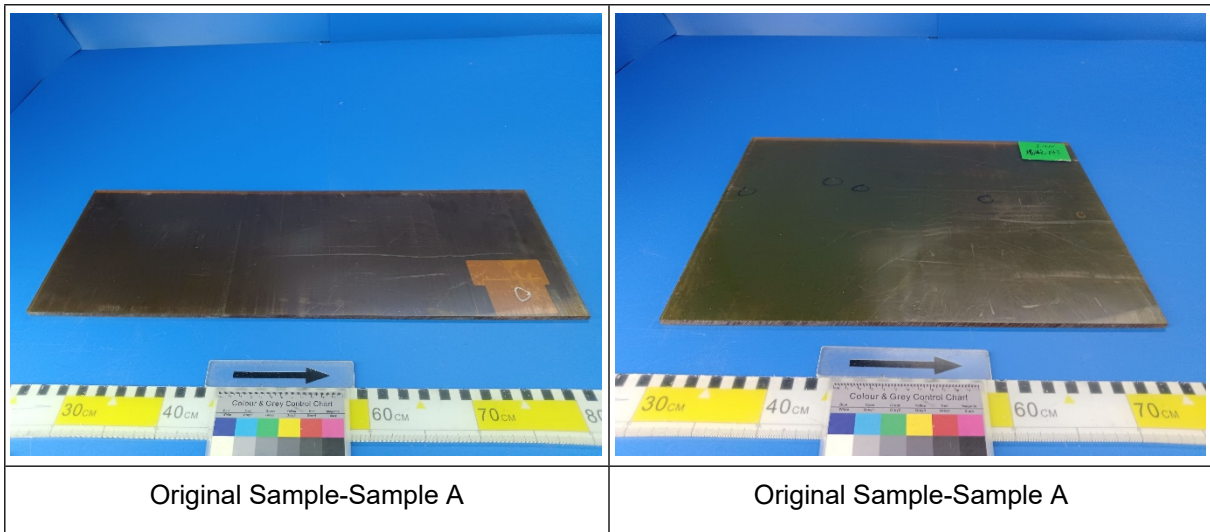
Immersion Liquid:Absolute Alcohol

Test Temperature:(23 ± 0.5) °C

Test Item	Density, kg/m ³
Test Result	1280

Notes: Test specimens were cut from the sample.

Test Photo:

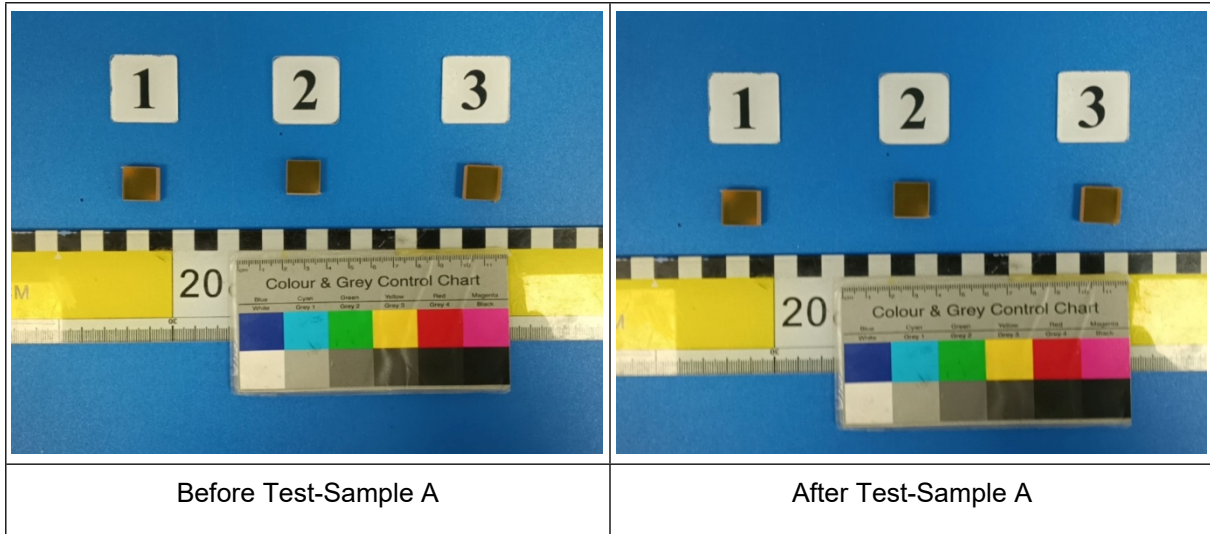


TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 27 of 36



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Electron balance	XPE204	GZMR-PL-E004-06	2026-02-28	2027-02-27



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-501, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com.cn
 中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编: 518129 t(86-755) 25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 28 of 36

13. Test Item: Mean Coefficient of Linear Thermal Expansion

Sample Aescription: A-Sheet

Test Method: ISO 11359-2:2021

Lab Environmental Condition: (23 ± 2) °C, (50 ± 5) %RH

Test Result:

Sample A

Test Mode:Compression mode

Rate of Temperature:5 °C/min

Temperature Range:-40°C~150°C

Number of specimens tested:3

Test Direction:Longitudinal direction

Test Method:A

Specimen: 9.71 mm×7.11 mm×5.31 mm

Load: 50 mN

Flow Rate(N₂): 50mL/min

Test Item	Mean Coefficient of Linear Thermal Expansion, x10 ⁻⁶ K ⁻¹
Test Result	48

Notes: Test specimens were cut from the sample.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-501, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com
 中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编:518129 t(86-755)25328673 sgs.china@sgs.com

TEST REPORT

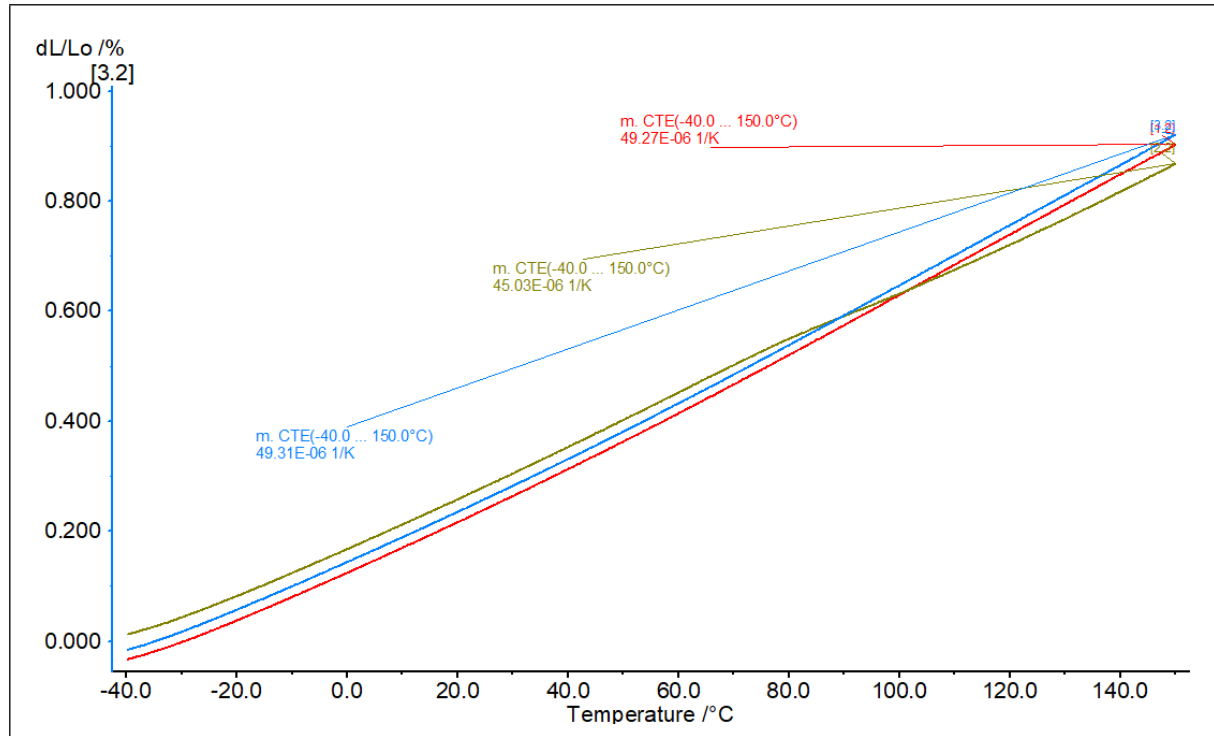
No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

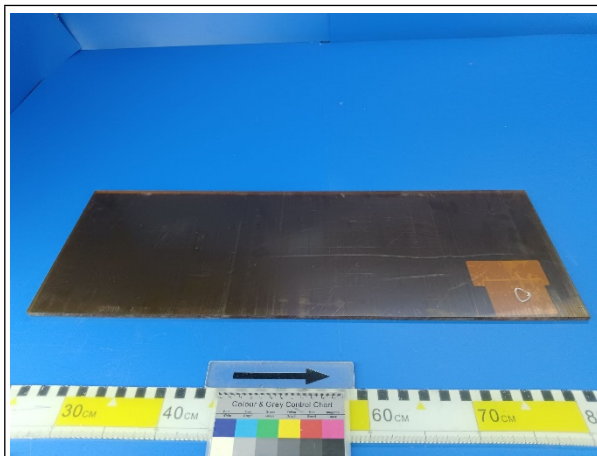
Page: 29 of 36

Curve

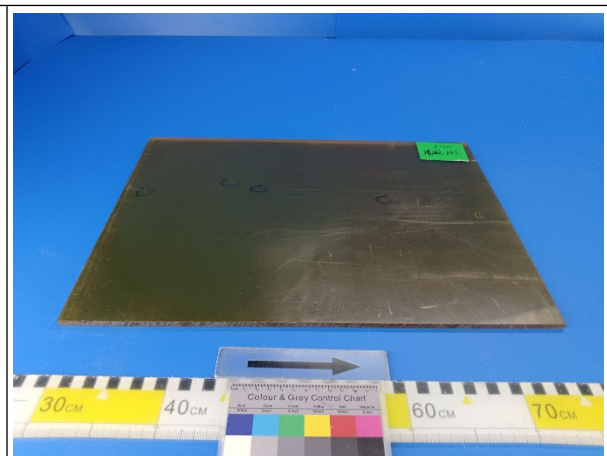
Sample A



Test Photo:



Original Sample-Sample A



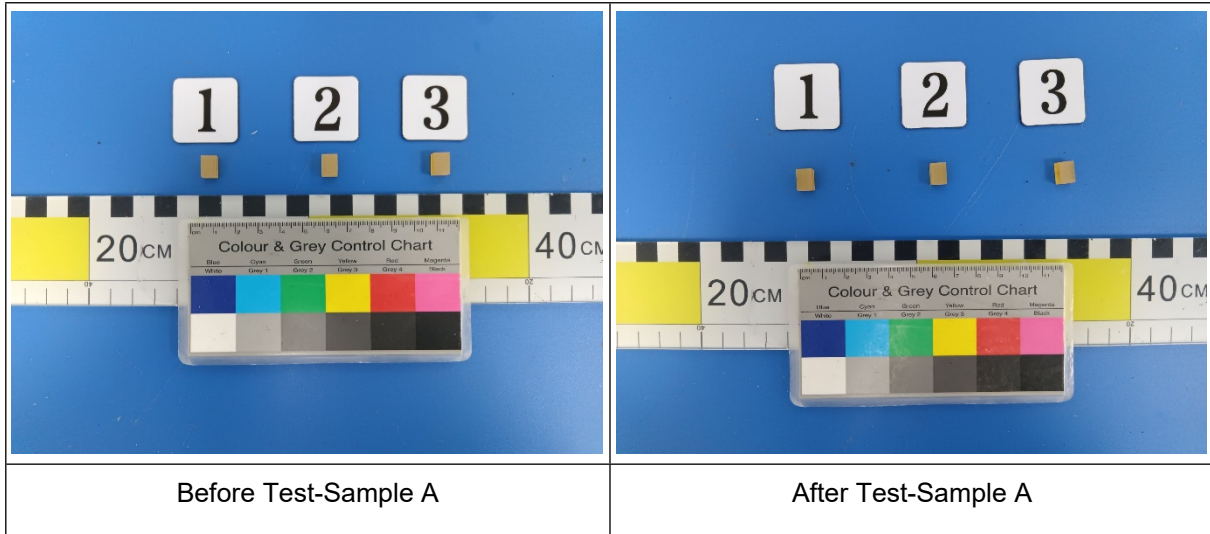
Original Sample-Sample A

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 30 of 36



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Thermo Mechanical Analyzer	TMA402F3	GZMR-PL-E371	2026-06-08	2027-06-07



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-501, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com
中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编: 518129 t: (86-755) 25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 31 of 36

14. Test Item: Melting Temperature(Tm)

Sample Aescription: A-Sheet

Test Method: ISO 11357-3:2025

Test Condition:

Type of sample container:Al

Purge gas flow rate:Nitrogen, 50mL/min

Ramp:10 °C/min

Temperature Range:40°C - 300°C

Test Result:

Sample A

Test Item	First heating scan	Second heating scan
Melting extrapolated onset temperature, Teim ₁ , °C	N/A	N/A
Melting peak temperature, Tpm ₁ , °C	N/A	N/A
Melting extrapolated end temperature, Tefm ₁ , °C	N/A	N/A

Notes:

N/A: Between 40°C - 300°C, the Melting Temperature(Tm) was no found.

TEST REPORT

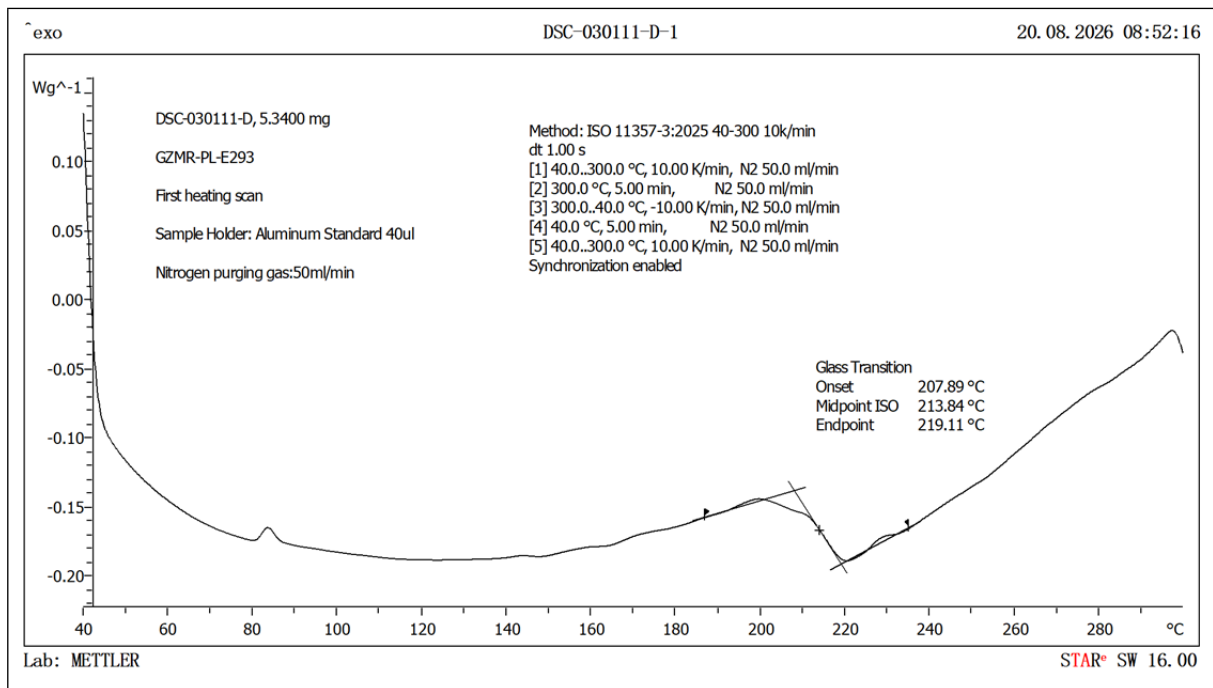
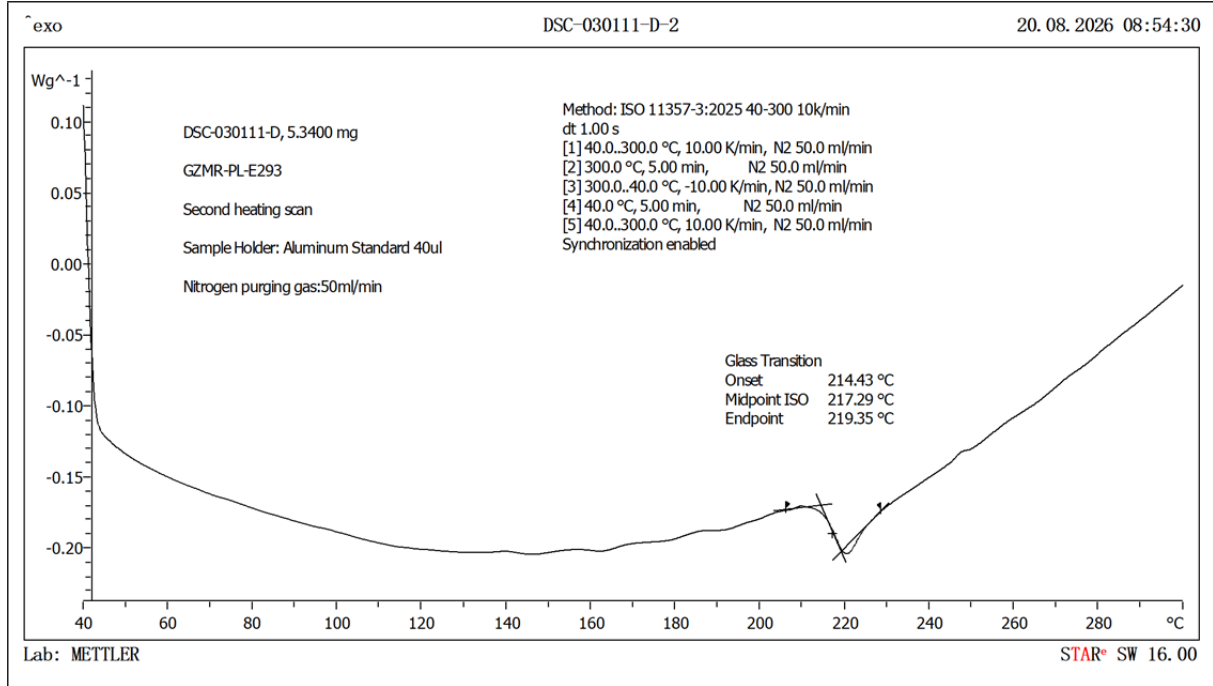
No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 32 of 36

Appendix

Sample A



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-501, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com.cn
中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-501、2号101、3号301-501 邮编:518129 t:(86-755)25328673 sgs.china@sgs.com

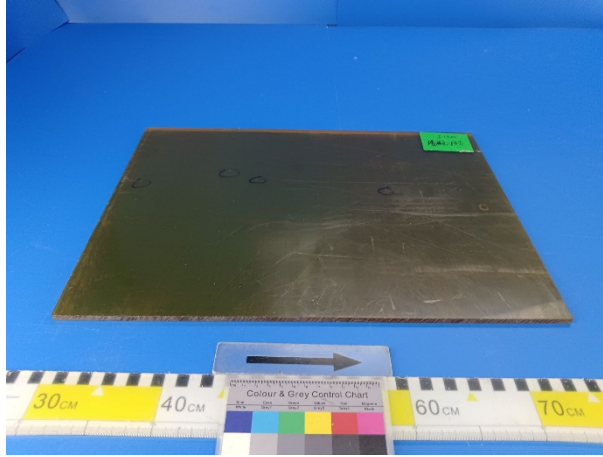
TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 33 of 36

Test Photo:



Original Sample-Sample A

Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Differential Scanning Calorimeter	DSC 3	GZMR-PL-E293	2026-02-27	2028-02-26



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-501, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com
 中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编: 518129 t:(86-755) 25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 34 of 36

15. Test Item: Thermal Conductivity (Transient Plane Heat Source Method)

Sample Aescription: A-Panel

Test Method: ISO 22007-2:2022

Lab Environmental Condition: (23 ± 2) °C, (50 ± 5) %RH

Test Result:

Sample A

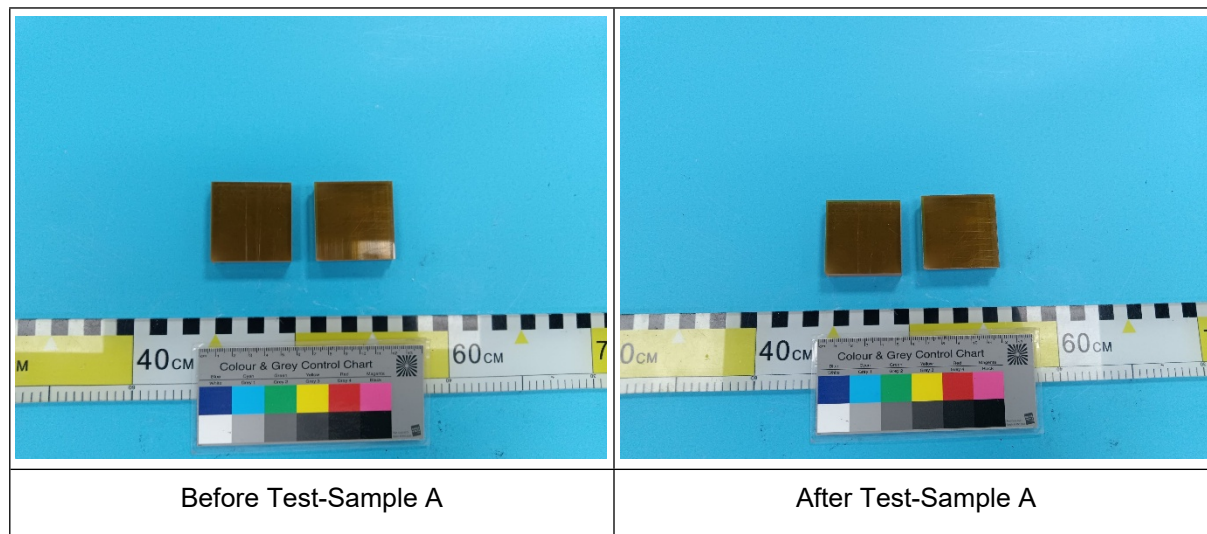
Test Duration:160 s

Probe Diameter:15 mm

Specimen Thickness:13.53 mm (2 layers piled up)

Test Item	Thermal Conductivity, W/(m·K)
Test Result	0.20

Test Photo:



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Transient plane heat source (hot disc) method thermal conductivity meter	HS-DR-5	POL-522	2026-04-22	2027-04-21



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-501, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com.cn
中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江雁（坂田）工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编:518129 t(86-755)25328673 sgs.china@sgs.com

TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 35 of 36

16. Test Item: Relative Permittivity

Sample Aescription: A-Brown Plastic sheets

Test Method: ASTM D150-22

Lab Environmental Condition: (23 ± 2) °C, (50 ± 5) %RH

Test Result:

Sample A

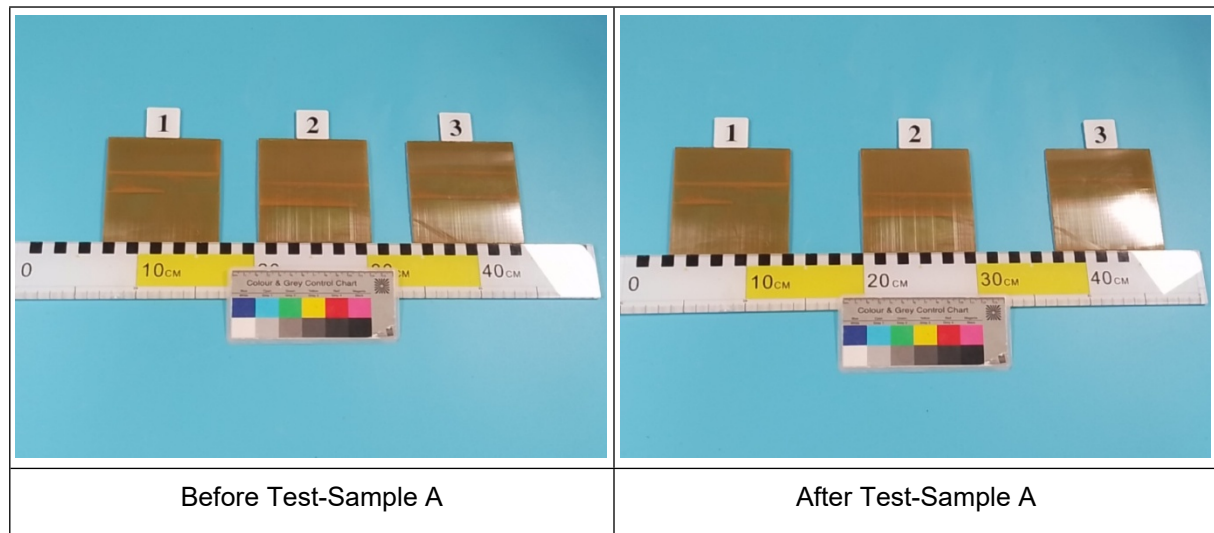
Precondition:(23±2) °C, (50±5) %RH, 48 h

Test Frequency:1 MHz

Test Electrode:Parallel electrode (Ø38 mm)

Specimen	Relative Permittivity	Dielectric Dissipation Factor
1	2.926	0.00759
2	2.853	0.00740
3	2.856	0.00736
Average	2.878	0.00745

Test Photo:



TEST REPORT

No.: SZIN2608002324PL04_EN

Issue Date: 2026-09-08

Page: 36 of 36

Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
LCR Tester	E4980AL	P-576	2025-09-12	2026-09-11
Dielectric Test Fixture	16451B	P-576-1	2025-10-14	2026-10-13
Digit Calliper	0-150mm/0.01mm	P-698	2026-02-02	2027-02-01

Appendix information:

1. The above test projects/methods were carried out by other laboratory in SGS group.
2. The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc... and just for internal reference.

*****End of report*****



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Room 101-901, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jiangnan (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com.cn
 中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江楠（坂田）工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编:518129 t(86-755)25328673 sgs.china@sgs.com