

TEST REPORT

No. : GZMR240802511601

Date : Sep 05, 2024

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CUSTOMER NAME: TMILES INDUSTRIAL MATERIALS AND SOLUTIONS CO., LTD.
ADDRESS: The second stage of Jindi Feicuijingchen, Kunlun Mountain Road, Huqiz District, Suzhou

Sample Name : Masking tape
Product specification : MT3098
Manufacturer : TMiles Industrial Materials and Solutions Co., Ltd.

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. : SUZIN2408002284PL01
Date of Receipt : Aug 26, 2024
Testing Start Date : Aug 26, 2024
Testing End Date : Sep 05, 2024
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
SGS-CSTC Standards Technical
Services Co., Ltd. Guangzhou Branch



Cathy Peng
Authorized signatory



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Summary of Results:

| No. | Test Item | Test Method | Result | | Conclusion |
|-----|-------------------------------|--|-----------------------------|------------|------------|
| 1 | Tensile Test | ASTM D3759/D3759M- 05(2019) Procedure A | Breaking Strength | 34.3N/10mm | / |
| | | | Elongation at Break | 4.8% | |
| 2 | 180° Peel Strength | ASTM D3330/D3330M- 04(2018) Method A | 1.5N/10mm | | / |
| 3 | Tack (Rolling Ball Method) | ASTM D3121-17 | Rolling ball distance: 36mm | | / |
| 4 | Thickness | ASTM D3652/D3652M- 01(2020) | 0.096mm | | / |

Note: Pass : Meet the requirements;
 Fail : Does not meet the requirements;
 / : Not Apply to the judgment.



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1. Test Item: Tensile Test

Sample Description: Tape

Test Method: ASTM D3759/D3759M-05(2019) Procedure A

Test Condition:

Specimen width: 24 mm

Testing speed: 300 mm/min

Grip separation: 100 mm

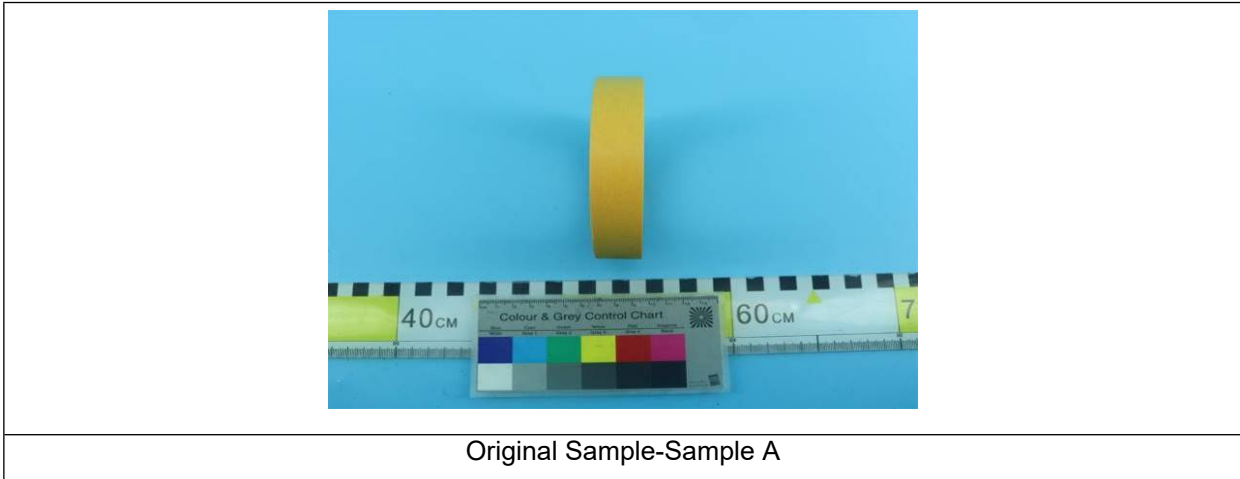
Lab Environmental Condition: (23 ± 2) °C, (50 ± 5) % RH

Test Result:

| Test Item | Test Result |
|---------------------|-------------|
| Breaking Strength | 34.3N/10mm |
| Elongation at Break | 4.8% |

Note: Test specimens were cut from the sample.

Test Photo:



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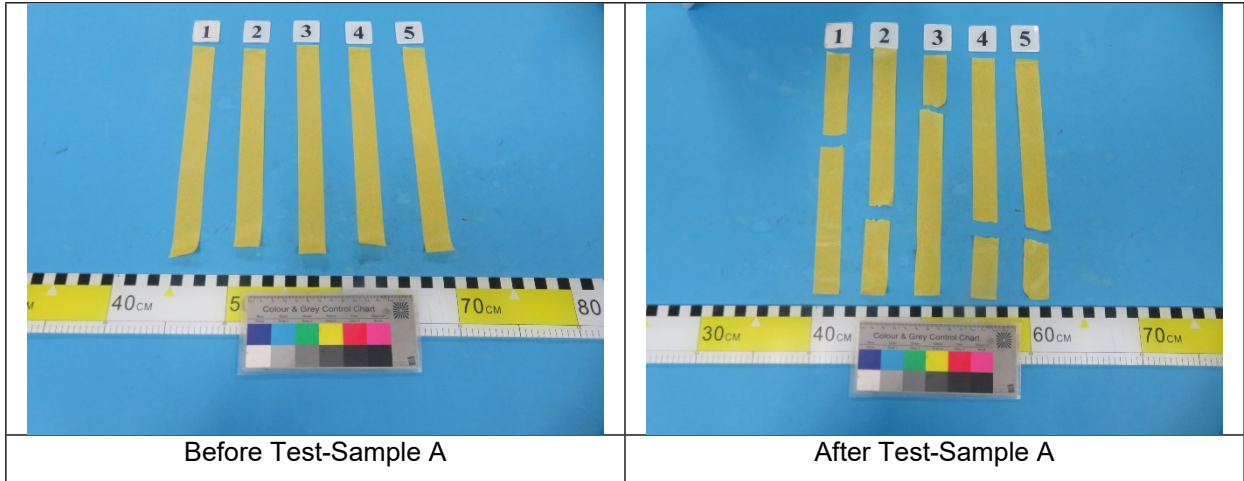
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Equipment Information:

| Equipment | Model | Equipment No. | Calibration date | Next Calibration date |
|---------------------------|-------|---------------|------------------|-----------------------|
| Universal Testing Machine | Z1.0 | GZMR-PL-E340 | 2024-04-16 | 2025-04-15 |

2. Test Item: 180° Peel Strength

Sample Description: Tape

Test Method: ASTM D3330/D3330M-04(2018) Method A

Test Condition:

Condition: Affix the specimen to the test panel → test within 1min

Specimen width: 24mm

Testing speed: 300mm/min

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

Test Result:

| Test Item | Test Result |
|--------------------|-------------|
| 180° Peel Strength | 1.5N/10mm |

Note: Test specimens were cut from the sample.



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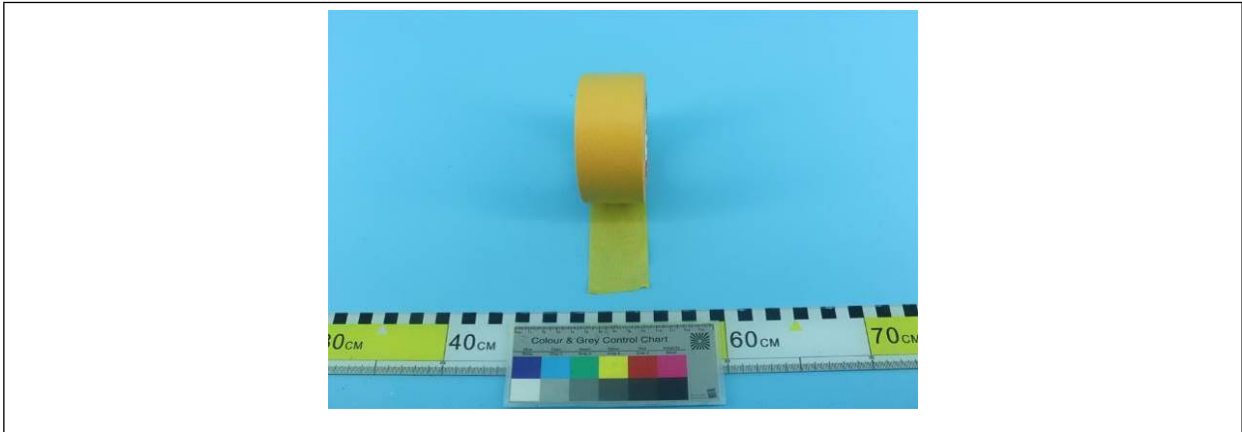
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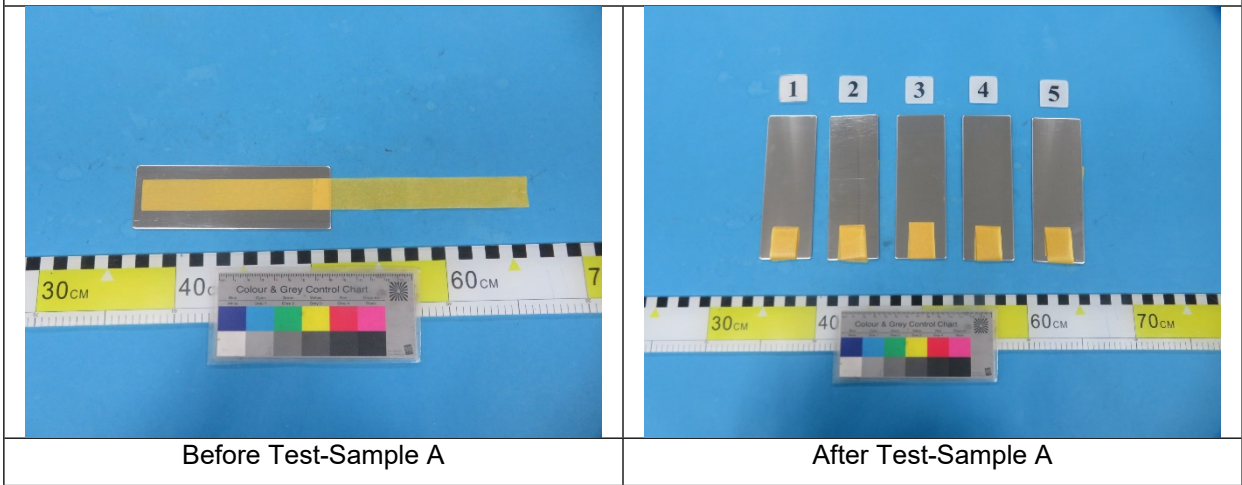
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Test Photo:



Original Sample-Sample A



Before Test-Sample A

After Test-Sample A

Equipment Information:

| Equipment | Model | Equipment No. | Calibration date | Next Calibration date |
|---------------------------|-------|---------------|------------------|-----------------------|
| Universal Testing Machine | Z1.0 | GZMR-PL-E340 | 2024-04-16 | 2025-04-15 |



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3.Test Item: Tack (Rolling Ball Method)

Sample Description: Tape

Test Method: ASTM D3121-17

Test Condition:

Slope angle: 21°30'

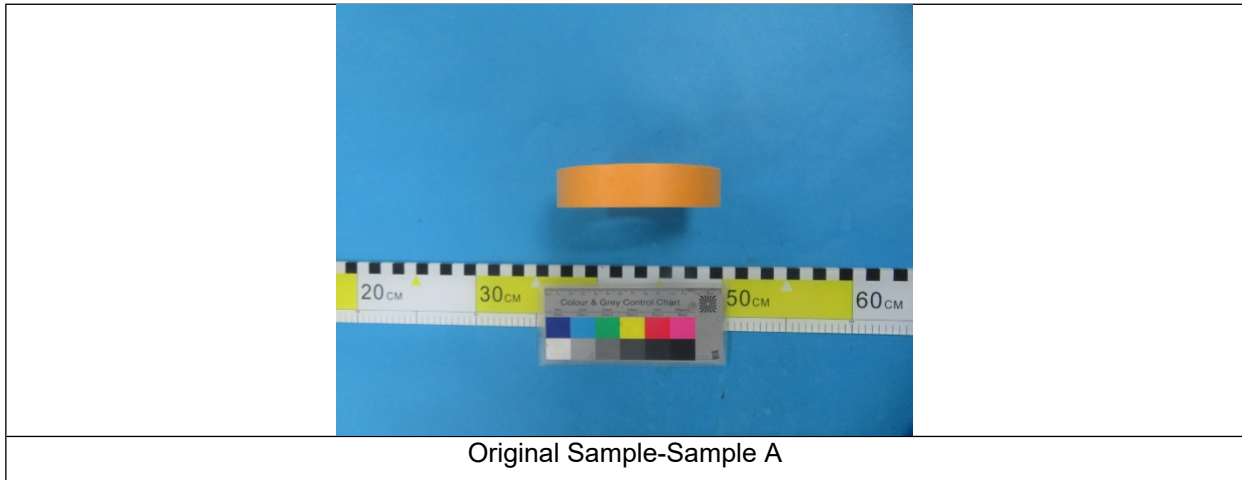
Lab Environmental Condition: (23±2)°C, (50±5)%RH

Test Result:

| Test Item | Test Result |
|----------------------------|-----------------------------|
| Tack (Rolling Ball Method) | Rolling ball distance: 36mm |

Note: Test specimens were cut from the sample.

Test Photo:



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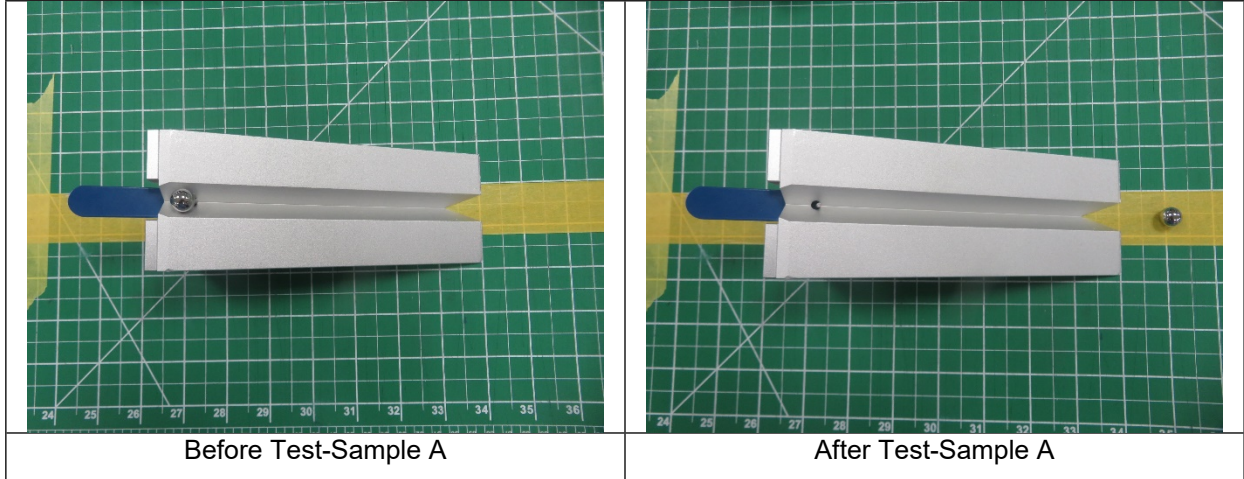
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Equipment Information:

| Equipment | Model | Equipment No. | Calibration date | Next Calibration date |
|---|---------|---------------|------------------|-----------------------|
| Tack Tester for Pressure-sensitive Tape(Rolling ball method by inclined chute | KJ-6030 | GZMR-PL-E414 | 2023-09-21 | 2024-09-20 |

4. Test Item: Total Thickness

Sample Description: Tape

Test Method: ASTM D3652/D3652M-01(2020)

Test Condition:

Pressure: 50kPa

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

Test Result:

| Test Item | Test Result |
|-----------------|-------------|
| Total Thickness | 0.096mm |



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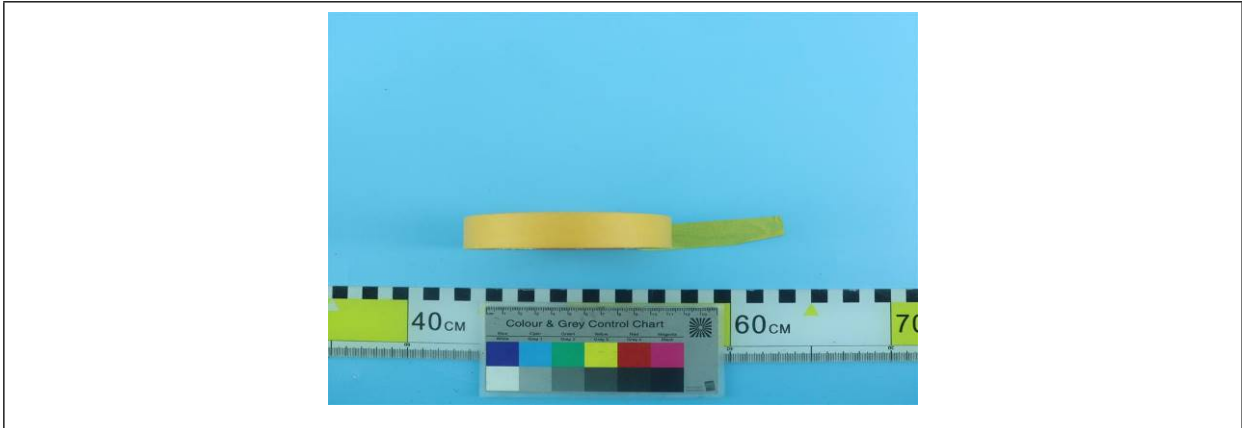
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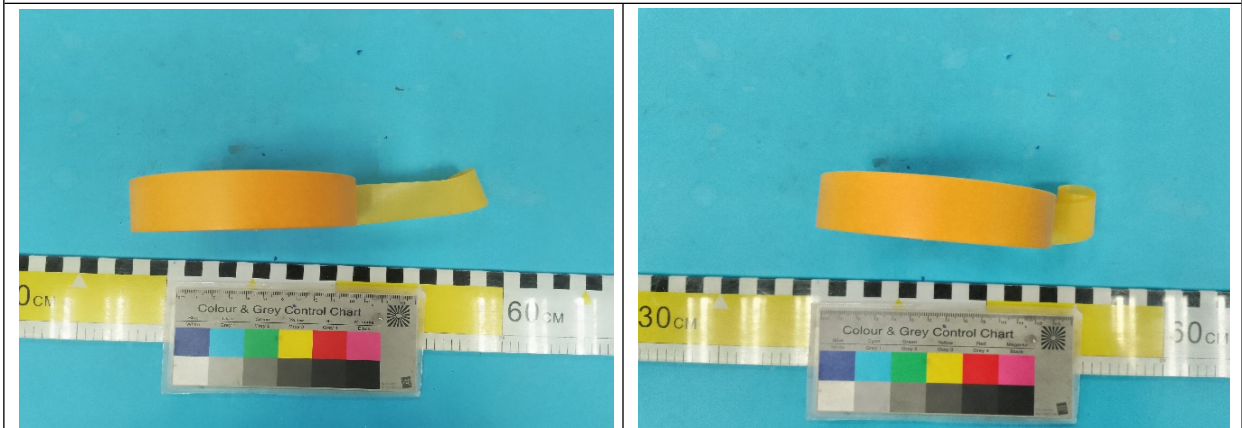
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Test Photo:



Original Sample-Sample A



Before Test-Sample A

After Test-Sample A

Equipment Information:

| Equipment | Model | Equipment No. | Calibration date | Next Calibration date |
|-------------------------|--------------------|-----------------|------------------|-----------------------|
| Digital Thickness Gauge | 0mm~12.7mm/0.001mm | GZMR-PL-E025-09 | 2024-04-26 | 2025-04-25 |

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



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