

## TEST REPORT

No. : XMIN2304000367PL01\_EN

Date : 2023-05-06

Page: 1 of 6

CUSTOMER NAME: XIAMEN SIC NEW ENERGY TECHNOLOGY CO., LTD  
 ADDRESS: NO.5, XIANGFU, XIANGAN DISTRICT, XIAMEN, CHINA

Sample Name : RHM-1

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. : GZMR230400809901  
 Date of Receipt : 2023-04-03  
 Testing Period : 2023-04-03 ~ 2023-05-06  
 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. Xiamen Branch.

Jude

Jude Zhao  
 Authorized signatory



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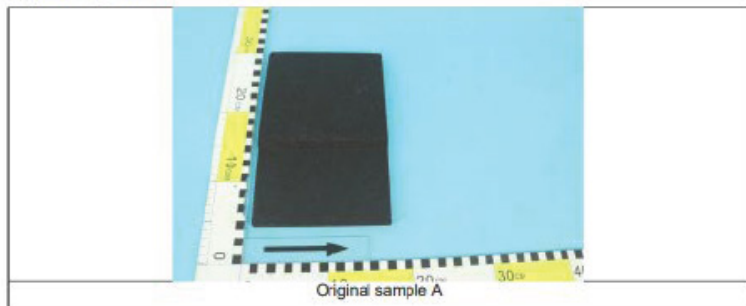
Date : 2023-05-06

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### Summary of Results:

| No. | Test Item                             | Test Method                                              | Result     |
|-----|---------------------------------------|----------------------------------------------------------|------------|
| 1   | Resistance to Ageing                  | GB 36246-2018 Section 6.9 &<br>GB/T 16422.2-2022 Cycle 1 | See result |
| 2   | Tensile Strength, Elongation at Break | GB 36246-2018 Section 6.4 &<br>GB/T 10654-2001           | See result |

### Original Sample Photo:



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1. Test Item: Resistance to Ageing

Sample Description: Foam

Test Method: GB 36246-2018 Section 6.9 &amp; GB/T 16422.2-2022 Cycle 1

Test Condition:

Exposure cycle:

Irradiance:  $(0.51 \pm 0.02) \text{ W}/(\text{m}^2 \cdot \text{nm}) @ 340 \text{ nm}$ 102 min light at  $(65 \pm 3)^\circ \text{C}$  BST,  $(38 \pm 3)^\circ \text{C}$  CT,  $(50 \pm 10)\% \text{ RH}$ 

18 min light and water spray

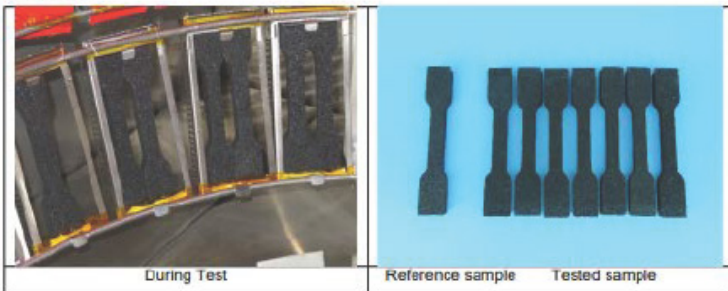
Filler: Boro/Boro

Exposure period: 500h

Test Result:

| Test Item            | Test result     |
|----------------------|-----------------|
| Resistance to Ageing | See Test Item 2 |

Test Photo:



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## Equipment Information:

| Equipment               | Model  | Equipment No. | Calibration date | Next Calibration date |
|-------------------------|--------|---------------|------------------|-----------------------|
| Xenon Weathering Tester | Ci5000 | GZMR-AG-E169  | 2022-07-18       | 2023-07-17            |

## 2. Test Item: Tensile Strength, Elongation at Break

Sample Description: Foam

Test Method: GB 36246-2018 Section 6.4 &amp; GB/T 10654-2001

## Test Condition:

As received condition:  $(23 \pm 2)^{\circ}\text{C}$ ,  $(50 \pm 5)\%\text{RH}$ , 48hLight ageing condition: See test item 1  $\rightarrow (23 \pm 2)^{\circ}\text{C}$ ,  $(50 \pm 5)\%\text{RH}$ , 24h

Specimen thickness: 13.7mm

Testing speed: 500mm/min

Gauge length: 50mm

Lab Environmental Condition:  $(23 \pm 2)^{\circ}\text{C}$ ,  $(50 \pm 5)\%\text{RH}$ 

## Test Result:

| Test Item           | Test Result        |                      |
|---------------------|--------------------|----------------------|
| Tensile Strength    | As received        | 1.71MPa              |
|                     | After Light ageing | 1.36MPa              |
| Elongation at Break | As received        | 83%<br>(See table 1) |
|                     | After Light ageing | 76%<br>(See table 2) |



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Table 1:

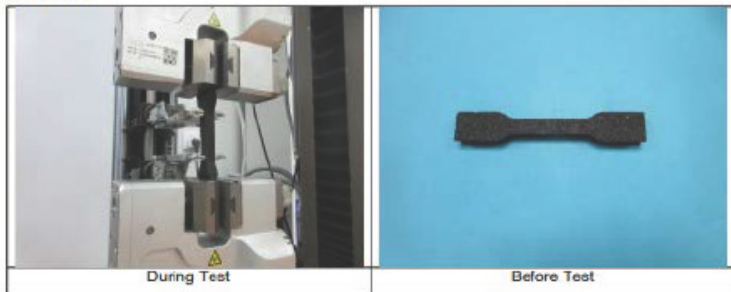
| Specimen               | #1   | #2   | #3   | #4  | #5   | #6   | #7   | #8   | #9  | #10 |
|------------------------|------|------|------|-----|------|------|------|------|-----|-----|
| Elongation at Break, % | 86.2 | 84.2 | 70.7 | 103 | 59.4 | 76.9 | 60.8 | 76.9 | 113 | 105 |

Table 2:

| Specimen               | #1  | #2   | #3   | #4   | #5   | #6   | #7   |
|------------------------|-----|------|------|------|------|------|------|
| Elongation at Break, % | 107 | 74.0 | 73.1 | 57.7 | 83.2 | 69.6 | 67.3 |

Note: Test specimens were cut from the sample.

Test Photo:



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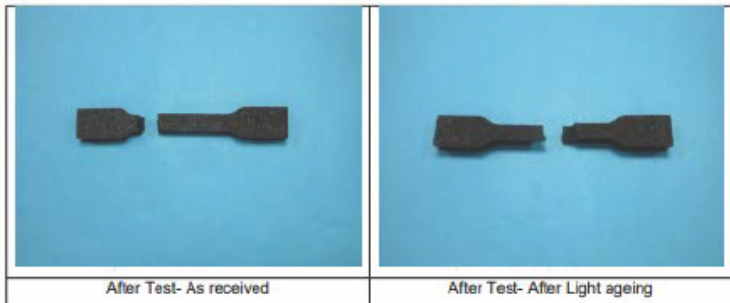
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## Equipment Information:

| Equipment                 | Model | Equipment No. | Calibration date | Next Calibration date |
|---------------------------|-------|---------------|------------------|-----------------------|
| Universal Testing Machine | Z010  | GZMR-PL-E109  | 2023-04-20       | 2024-04-19            |

Note: The above test project/method was carried out by subcontractors.

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



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