

TEST REPORT

No.: QDIN2606001040PL01_EN

Issue Date: 2026-06-29

Page: 1 of 8

CUSTOMER NAME: QINGDAO BKM INDUSTRY CO.,LTD.
ADDRESS: ROOM 510, NO. 450 JIANGSHAN SOUTH ROAD, HUANGDAO DISTRICT, QINGDAO CITY, SHANDONG PROVINCE

Sample Name : HDPE Sheet

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.

Sample Source : Customer-delivered
Date of Receipt : 2026-06-18
Testing Period : 2026-06-18 ~ 2026-06-29
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 (Qingdao) Co., Ltd.

Jenny

Jenny Sun

Authorized signatory



Scan to see the report



QDIN2606001040PL01
Verification:
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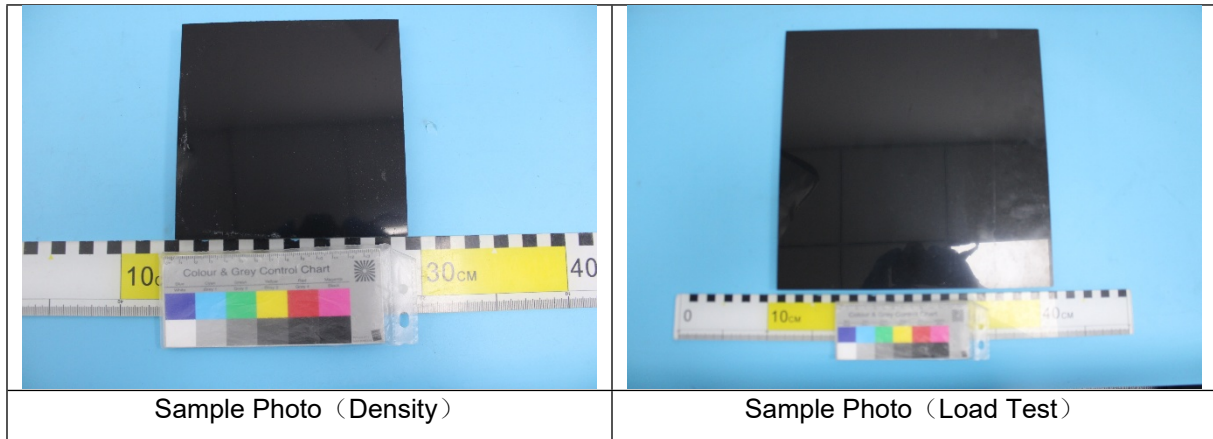
Page: 2 of 8

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Load Test	Laboratory In-House Method	>80t	N/A
2	Shore Hardness	ISO 868:2003	D/15:57	N/A
3	Density	ISO 1183-1:2025 Method A	0.967g/cm ³	N/A
4	Tensile Test	ISO 527-1:2019 & ISO 527-2:2025	See result	N/A
5	Charpy Notched Impact Strength	ISO 179-1:2026	9.46kJ/m ² C(Complete Break)	N/A

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

Original Sample Photo:



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TEST REPORT

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Issue Date: 2026-06-29

Page: 3 of 8

	
Sample Photo (Charpy Notched Impact Strength)	Sample Photo (Tensile Test)
	
Sample Photo (Shore Hardness)	



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TEST REPORT

No.: QDIN2606001040PL01_EN

Issue Date: 2026-06-29

Page: 4 of 8

1. Test Item: Load Test

Sample Description: See photo

Test Method: Laboratory In-House Method

Test Condition:

The surface of the sample was pressed to 80 tons at a speed of 5 mm/min.

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

Test Result:

Test Item	Test Result
Maximum Compression Force	>80t

Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Universal Testing Machine	SHT4106	QDMET-053	2025-07-14	2026-07-13



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TEST REPORT

No.: QDIN2606001040PL01_EN

Issue Date: 2026-06-29

Page: 5 of 8

2. Test Item: Shore Hardness

Sample Description: Plastic part

Test Method: ISO 868:2003

Test Condition:

Specimen thickness: 10.3mm

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

Test Result:

Test Item	Test Result
Shore Hardness	D/15:57

Note:

1. D/15:X Indicates that D is the type of durometer; 15s is the reading time; X is the hardness value.
2. Test specimens were cut from the sample.

Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Shore Type D Hardness Meter	Asker D	POL-PL-E007	2025-08-08	2026-08-07



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TEST REPORT

No.: QDIN2606001040PL01_EN

Issue Date: 2026-06-29

Page: 6 of 8

3.Test Item: Density

Sample Description: Plastic part

Test Method: ISO 1183-1:2025 Method A

Test Condition:

Deionized water, (23±2)°C

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

Test Result:

Test Item	Test Result
Density	0.967g/cm ³

Note: Test specimens were cut from the sample.

Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Electron Balance	XPE204	POL-PL-E008	2025-08-07	2026-08-06



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TEST REPORT

No.: QDIN2606001040PL01_EN

Issue Date: 2026-06-29

Page: 7 of 8

4. Test Item: Tensile Test

Sample Description: See photo

Test Method: ISO 527-1:2019 & ISO 527-2:2025

Test Condition:

Specimen: A2

Specimen thickness: 10.3mm

Testing speed: 50mm/min

Grip separation: 115mm

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

Test Result:

Test Item	Test Result
Tensile Strength	17.7MPa
Nominal Tensile Strain at Break	200%

Note: Test specimens were cut from the sample.

Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Universal Material Testing Machine	3367	POL-PL-E027	2026-02-10	2027-02-09



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TEST REPORT

No.: QDIN2606001040PL01_EN

Issue Date: 2026-06-29

Page: 8 of 8

5. Test Item: Charpy Notched Impact Strength

Sample Description: See photo

Test Method: ISO 179-1:2026

Test Condition:

Specimen: ISO 179-1/1eA

Specimen Width: 8.01mm

The capacity of the pendulum: 7.5J

Impact speed: 3.8m/s

Span: 62mm

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

Test Result:

Test Item	Test Result
Charpy Notched Impact Strength	9.46kJ/m ² C(Complete Break)

Note: Test specimens were cut from the sample.

Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Pendulum-type Machine For Impact	CEAST 9050	POL-PL-E029	2026-02-10	2027-02-09

Appendix information: 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*****



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