

TEST REPORT

No. : QDIN2210005239SC

Date : Oct 20, 2022

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scan to see the report



QDIN2210005239SC

CUSTOMER NAME: SHANDONG OBOR NEW MATERIALS CO., LTD.
ADDRESS: NO.3699 SHANMA ROAD, SHANKOU TOWN, DAIYUE DISTRICT,
TAIAN CITY, SHANDONG PROVINCE, CHINA

Sample Name : HDPE Geomembrane
Product Specification : 1.5mm
Manufacturer : Shandong Obor New Materials Co., Ltd.
Material and Mark : HDPE(high density polyethylene resin)

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.

Date of Receipt : Oct 12, 2022
Testing Start Date : Oct 12, 2022
Testing End Date : Oct 20, 2022
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 (Qingdao) Co., Ltd.

Kayla Chu
Authorized signatory



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SGS Center, No. 143, Zhuzhou Road, Laoshan District, Qingdao, China 266101
t (86-532) 68998888 f (86-532) 80991955

www.sgsgroup.com.cn
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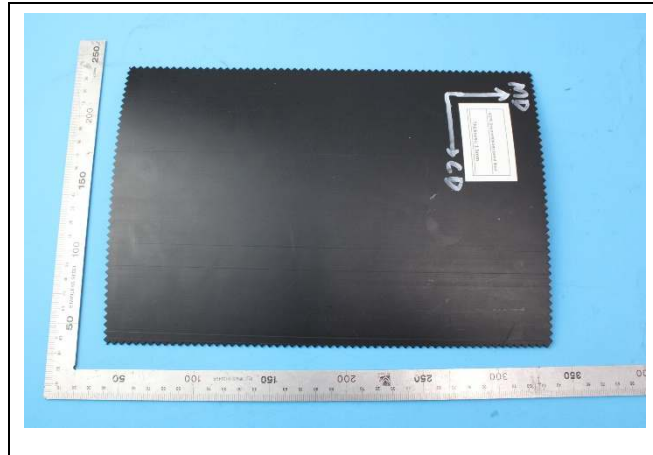
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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Thickness	With reference to ASTM D5199-12(2019) and client's requirement	1.692mm	/
2	Tensile Test	ASTM D6693/D6693M-20	See result	/

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

Original Sample Photo:



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1. Test Item: Thickness

Sample Description: Plastic part

Test Method: With reference to ASTM D5199-12(2019) and client's requirement

Test Condition:

Load: 54kPa

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

Test Result:

Test Item	Test Result
Thickness	1.692mm

Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Digital Bench Thickness Measurement	TG-3130-A3	POL-PL-E010	2022-06-30	2023-06-29



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2. Test Item: Tensile Test

Sample Description: Plastic part

Test Method: ASTM D6693/D6693M-20

Test Condition:

Specimen thickness: 1.692mm

Testing speed: 50mm/min

Gauge length: 25mm

Grip separation: 65mm

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

Test Result:

Test Item	Test Result	
Tensile Break Strength	CD	47.3N/mm
	MD	44.6N/mm
Percent Break Elongation	CD	860%
	MD	810%
Tensile Yield Strength	CD	25.4N/mm
	MD	24.4N/mm

Note: Test specimens were cut from the sample.

Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Universal Material Testing Machine	Z010	POL-PL-E005	2022-08-04	2023-08-03

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



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