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检测
TESTING
CNAS L0599

TEST REPORT

No. : SHIN2112090776MR-01

Date : Jun 07, 2022

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scan to see the report



SHIN2112090776MR-01

CUSTOMER NAME: QINGDAO JUMBO INTERNATIONAL TRADE CO.,LTD.

ADDRESS: NO.2 FENGXIAN RD, SHINAN DISTRICT, QINGDAO, CHINA

This Report cancels and supersedes the Report No.: SHIN2112090776MR dated: Jan. 10 ,2022 issued by SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd, original report will be invalid from today.

Sample Name : HDPE sheet Batch NO.:Sinopec 5000S201211191432

Product Specification : 300x300x25mm

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. : SHIN2112090708PS

Date of Receipt : Dec 28, 2021

Testing Start Date : Dec 28, 2021

Testing End Date : Jan 10, 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
Service (Shanghai)Co., Ltd.

Jane Deng

Jane Deng
Authorized signatory



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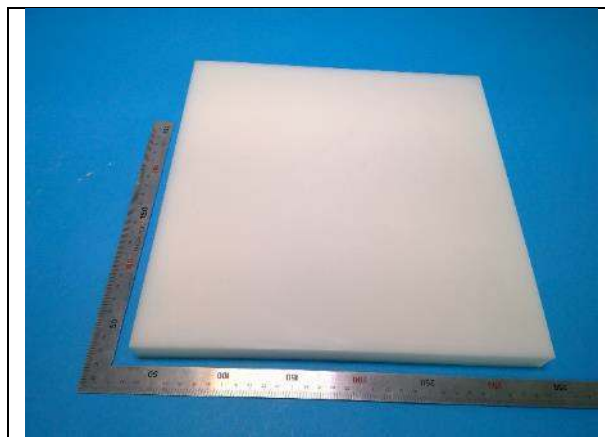
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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Static Coefficient of Friction	ISO 8295:1995 and Client's Requirement	0.684	/
	Kinetic Coefficient of Friction		0.470	
2	Compressive Strength	ISO 604:2002	See result	/
3	Density	ISO 1183-1:2019 Method A	0.942 g/cm ³	/
4	Flexural Strength	ISO 178:2019 Method A	17.9 MPa	/
5	Resistance to Wear	ISO 9352:2012	See result	/
6	Shore Hardness	ISO 868:2003	D/15:57	/
7	Tensile Strength	ISO 527-1:2019 & ISO 527-2:2012	18.2 MPa	/
	Elongation at Break		160 %	

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: Coefficient of Friction

Sample Description: Sheet

Test Method: ISO 8295:1995

Client's Requirement: Specimen thickness: 4.19 mm

Test Condition:

Specimen thickness: 4.19 mm

Load: 200 g

Testing speed: 100 mm/min

Testing displacement: 100 mm

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

Test Result:

Test Item	Test Result
Static Coefficient of Friction	0.684
Kinetic Coefficient of Friction	0.470

Note:

1. Test specimens were cut from the sample.

2. Cannot be stamped.

The test method ISO 8295:1995 is not in the accredited testing scope of CNAS.



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2. Test Item: Compressive strength

Sample Description: Sheet

Test Method: ISO 604:2002

Test Condition:

Specimen: Type B

Specimen thickness: 9.68 mm

Testing speed: 1 mm/min

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

Test Result:

Test Item	Test Result
Compressive strength	See table 1 and note 2

Note:

1. Test specimens were cut from the sample.
2. Out of the range of the equipment.

Table 1

Specimen No.	1	2	3	4	5
Result, MPa	> 122.0	> 133.5	> 137.1	> 133.4	> 132.6



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3. Test Item: Density

Sample Description: Sheet

Test Method: ISO 1183-1:2019 Method A

Test Condition:

Absolute alcohol, 23 ± 0.5 °C

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

Test Result:

Test Item	Test Result
Density	0.942 g/cm ³

Note:

1. The accuracy of the results [(Measured value – Mean value) / Mean value] was not between 0.2 % and 0.05 %, so according to the standard, the correction for buoyancy in air is not required.
2. Test specimens were cut from the sample.



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4. Test Item: Flexural Strength

Sample Description: Sheet

Test Method: ISO 178:2019 Method A

Test Condition:

Specimen: 200 mm × 14.751 mm × 9.410 mm

Testing speed: 5 mm/min

Span: 150 mm

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

Test Result:

Test Item	Test Result
Flexural Strength	17.9 MPa

Note:

1. Flexural strength was the maximum strength obtained over the 3.5% strain limit.
2. Test specimens were cut from the sample.



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5. Test Item: Resistance to Wear

Sample Description: Sheet

Test Method: ISO 9352:2012

Test Condition:

Wheel: CS-10

Load: 250g/wheel (total 500g)

Speed: 60 rpm

Cycles: 2000

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

Test Result:

Sample	Appearance
1	Visual wear.

Note: Test specimens were cut from the sample.



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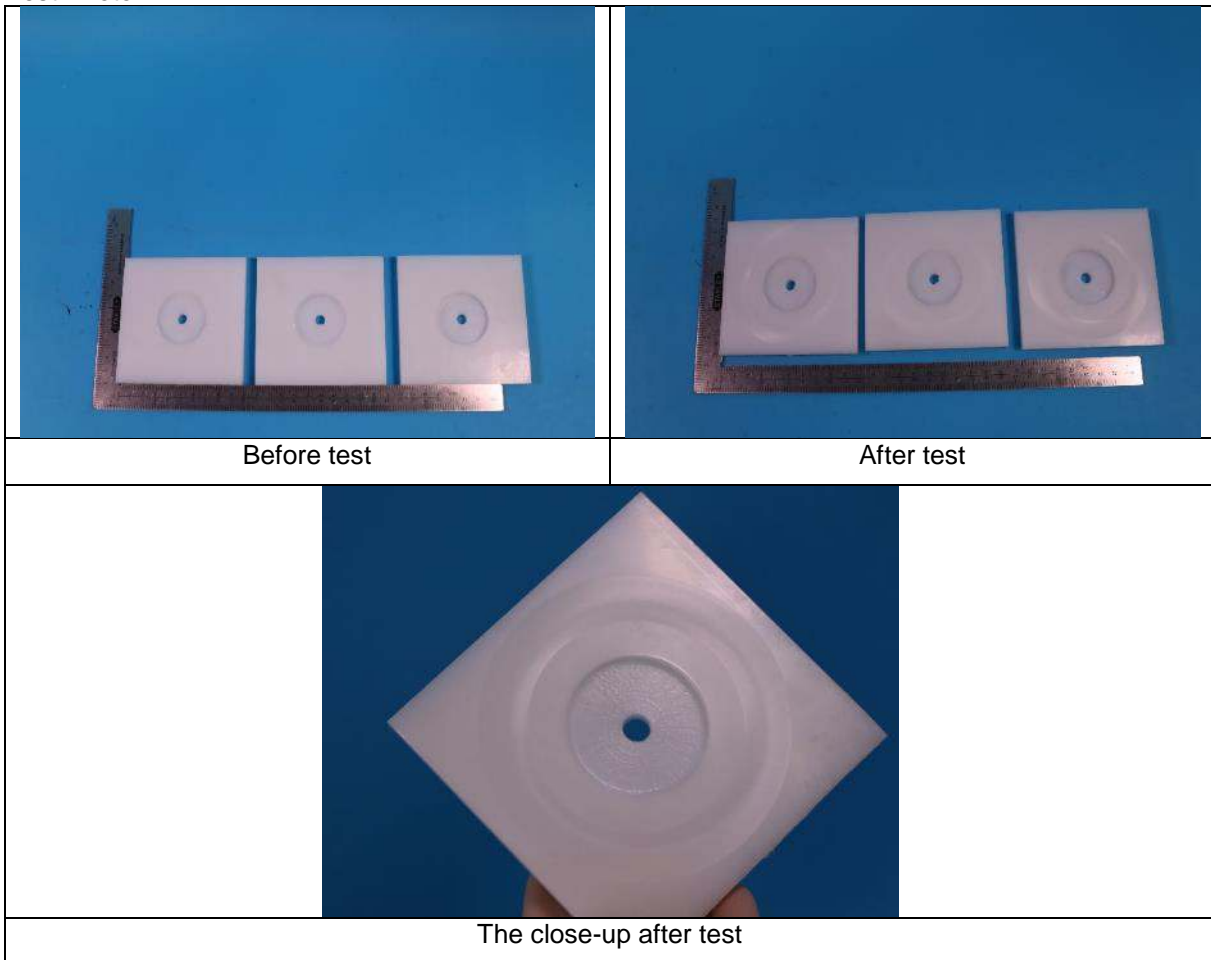
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Test Photo:



The test method ISO 9352:2012 is not in the accredited testing scope of CNAS.



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6. Test Item: Shore Hardness

Sample Description: Sheet

Test Method: ISO 868:2003

Test Condition:

Specimen thickness: 24.66 mm

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

Test Result:

Test Item	Test Result
Shore Hardness	D/15:57

Note:

1. D/15:57 Indicates that D is the type of durometer; 15 s is the reading time; 57 is the hardness value.
2. Test specimens were cut from the sample.



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7. Test Item: Tensile Test

Sample Description: Sheet

Test Method: ISO 527-1:2019 & ISO 527-2:2012

Test Condition:

- Specimen: Type 1B
- Specimen width at narrow portion: 9.920 mm
- Specimen thickness: 10.090 mm
- Testing speed: 50 mm/min
- Gauge length: 50 mm
- Initial distance between grips: 115 mm

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

Test Result:

Test Item	Test Result
Tensile Strength	18.2 MPa
Elongation at Break	160 %

Note: Test specimens were cut from the sample.

Note: Report SHIN2112090776MR change to SHIN2112090776MR-01.

Revise Content	This report update sample name
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***** End of report*****



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