

## TEST REPORT

No. : GZIN1904020845PS

Date : May 07, 2019

Page: 1 of 7



CUSTOMER NAME: MAGNUS PRO INTERNATIONAL  
ADDRESS: 505 USA PKWY, MCCARRAN, NEVADA, UNITED STATES

Sample Name : MAGNUS PRO WINDOW FILM

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. : 2019-04-03-016  
Date of Receipt : Apr 29, 2019  
Testing Start Date : Apr 29, 2019  
Testing End Date : May 07, 2019  
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. GZ Branch Testing  
Center

Eleain Fan  
Authorized signatory



SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch Testing Center Materials Laboratory

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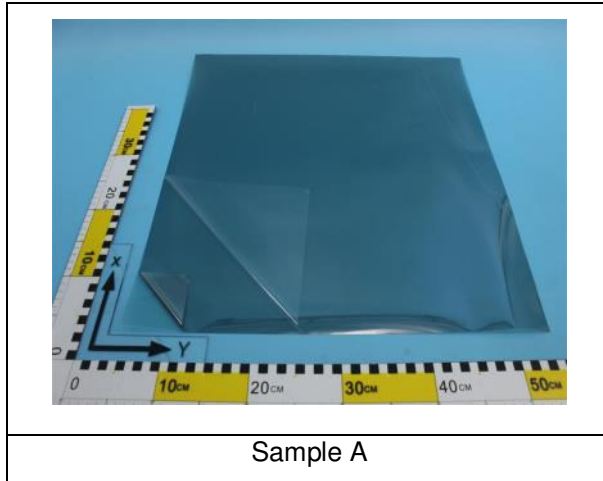
Page: 2 of 7

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Haze	ISO 14782:1999/Cor.1:2005	1.8%	/
2	Tensile Test	ASTM D882-18	See result	/
3	Thickness	ASTM D6988-13 Method A	0.142mm	/

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: Haze

Sample Description: See photo

Test Method: ISO 14782:1999/Cor.1:2005

Test Condition:

Specimen thickness: 0.14mm

Light source: D<sub>65</sub>

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

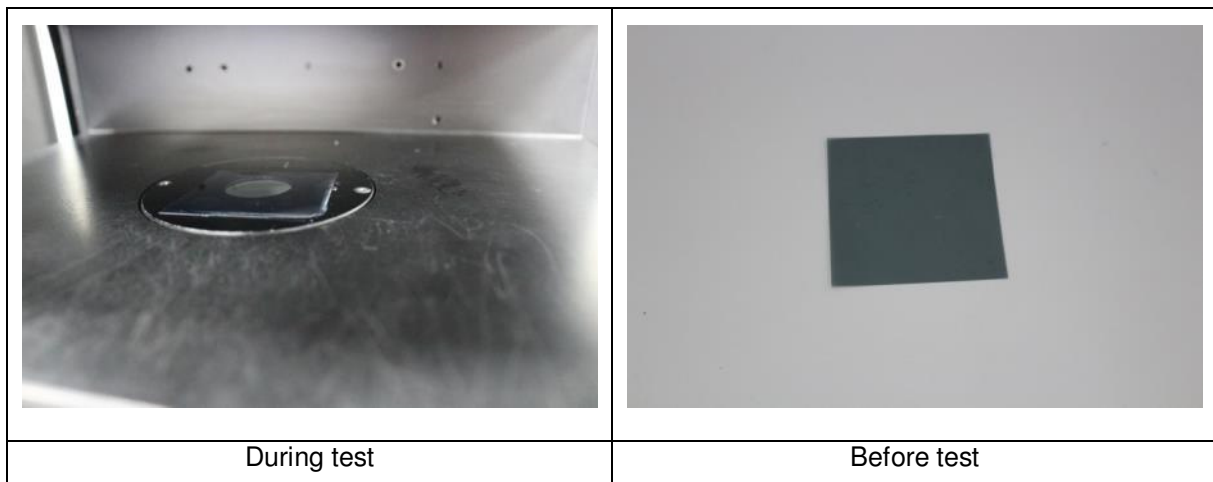
Test Result:

Test Item	Test Result
Haze	1.8%

Note:

1. The protected film of test specimens was ripped off before test.
2. Test specimens were cut from the sample.
3. The no adhesive surface was faced to the light source.

Test Photo:



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Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Hazemeter	NDH5000	GZMR-PL-E083	2018-12-05	2019-12-04

2. Test Item: Tensile Test

Sample Description: See photo

Test Method: ASTM D882-18

Test Condition:

Specimen width: 15mm

Specimen thickness: 0.141mm

Testing speed: 500mm/min

Grip separation: 50mm

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

Test Result:

Test Item	Test Result	
Tensile Strength	X direction	180MPa
	Y direction	182MPa
Elongation at Break	X direction	150%
	Y direction	110%

Note:

1. The protected film of test specimens was ripped off before test.
2. Test specimens were cut from the sample.



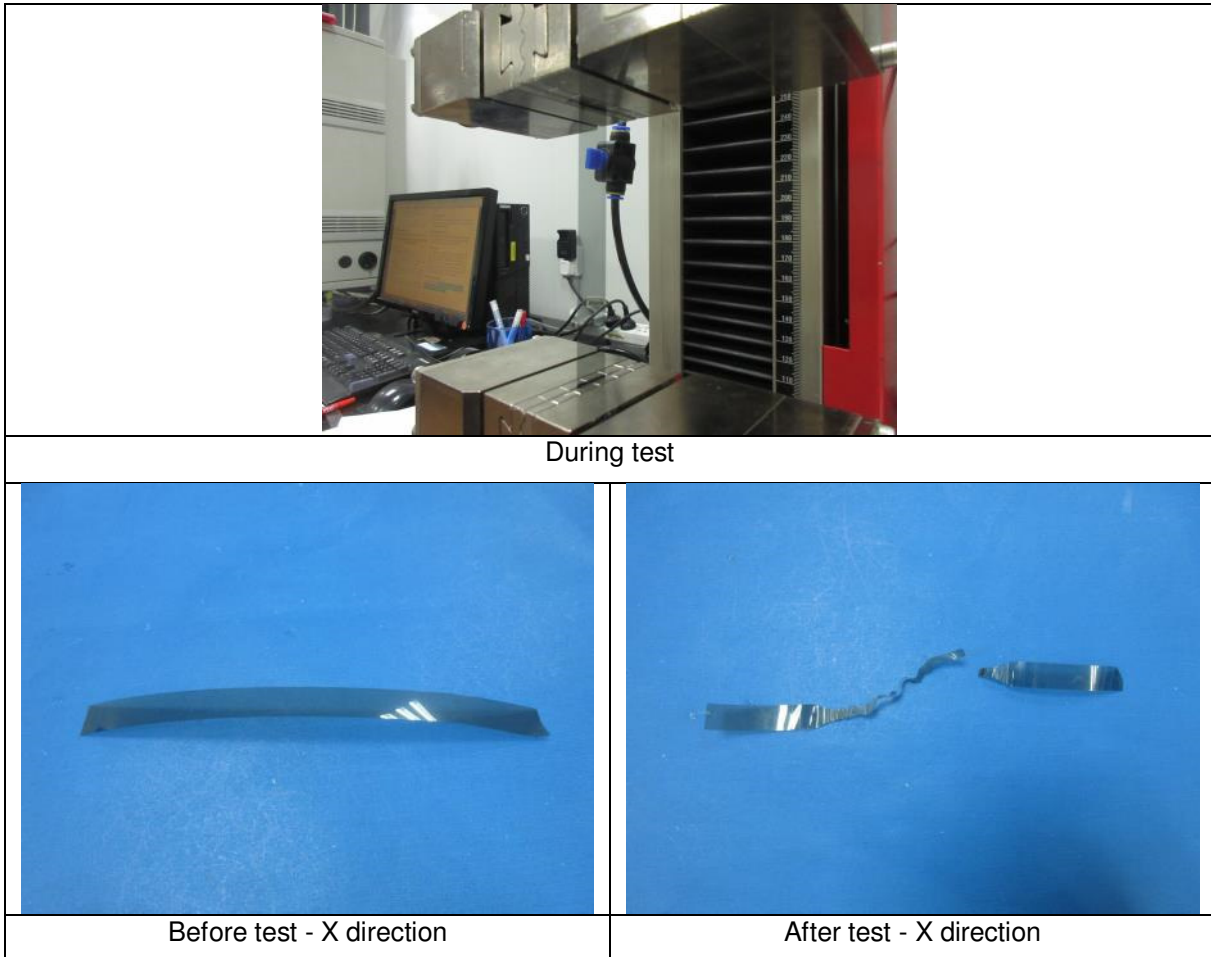
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Test Photo:



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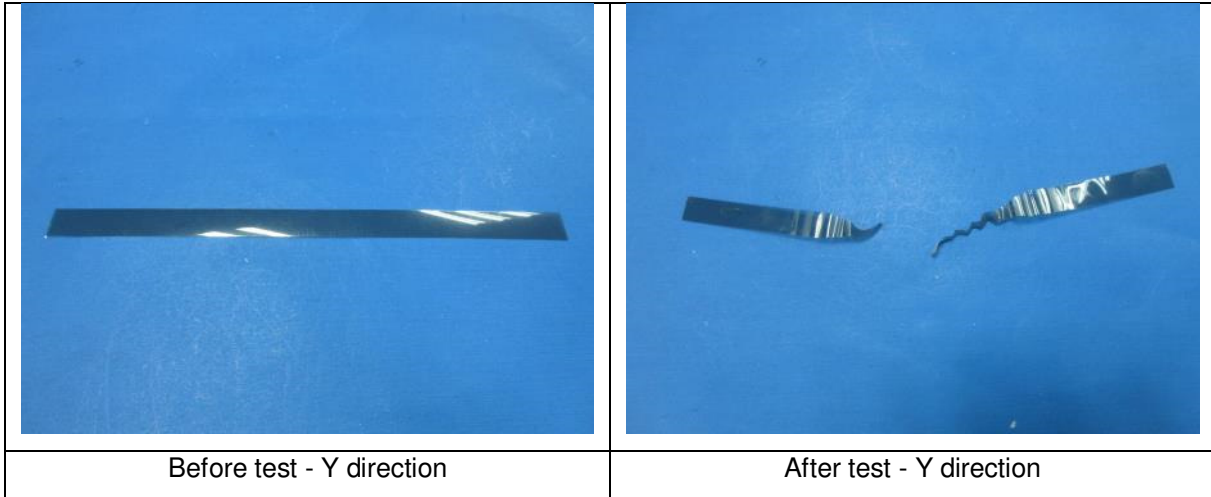


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Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Universal Testing Machine	Z1.0	GZMR-PL-E168	2019-04-16	2020-04-15

3.Test Item: Thickness

Sample Description: See photo

Test Method: ASTM D6988-13 Method A

Test Condition:

Pressure: 177kPa

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

Test Result:

Test Item	Test Result
Thickness	0.142mm

Note:

1. The protected film of test specimens was ripped off before test.
2. Test specimens were cut from the sample.



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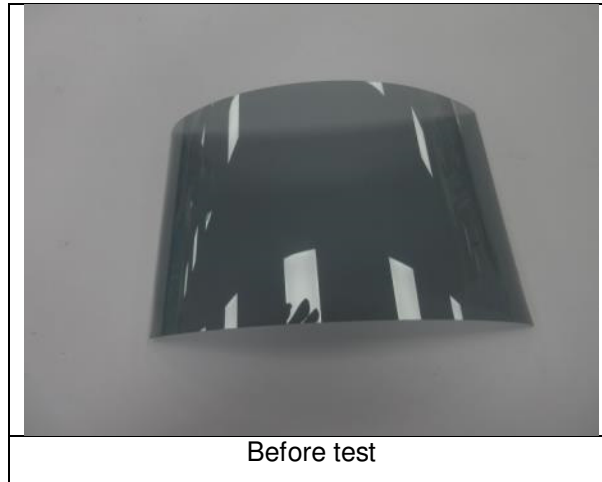
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Test Photo:



Before test

Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Digital Thickness Gauge	0mm~9mm/0.001 mm	GZMR-PL-E025	2018-12-11	2019-06-10

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



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