

## TEST REPORT

Mechanical & Hardgoods Laboratory

Report No. : YA30027/2017

Page : 1 of 2

Date : AUG. 08, 2017

**U-GIN Advanced Material Co., LTD.**

8F-1., No.58, Tongde 11th St., Taoyuan Dist., Taoyuan City 330, Taiwan

**The following merchandise was submitted and identified by the applicant as:**

Product Description: High Clarity Anti-Fog TAC Film

Strle/Item No.: SAF-ST127P

**We have tested the submitted sample(s) as requested and the following results were obtained:**

Test Requested: Resistance to fogging of oculars

Test Method: With reference to Clause 16 of EN 168:2001 Personal eye protection--Non-optical test methods

Test Result: --Please refer to the following page(s)--

Date of Receipt: MAR. 23, 2017 & AUG. 02, 2017

Testing Period: MAR. 23 ~ 31, 2017 & AUG. 02 ~ 08, 2017

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Signed for and on behalf of  
SGS Taiwan Ltd.

*Owen Cheng*  
Owen Cheng  
Manager



Laboratory address:  
61, Kai-Fa Road, Nanzih Export Processing Zone, 81170, Kaohsiung, Taiwan

## TEST REPORT

Mechanical & Hardgoods Laboratory

Report No. : YA30027/2017

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### Test Method & Result:

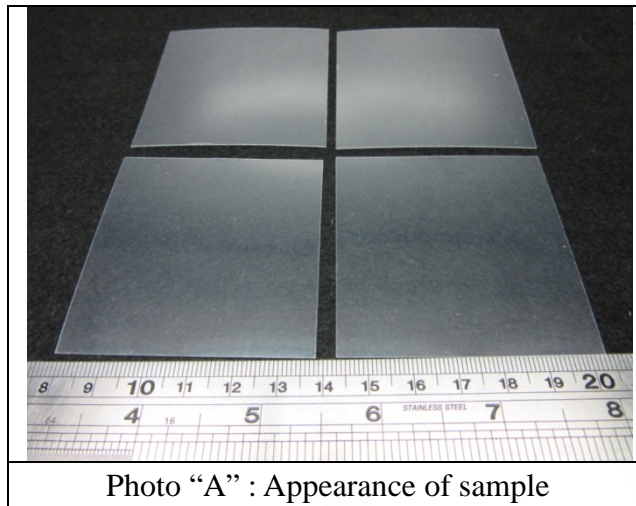
Resistance to fogging of oculars

### Finding

Sample	Test Method	Test Result
No. 01	To measure the change in the value of the transmittance $\tau_r$ the sample is placed on the seating ring and the time determined until the square of $\tau_r$ has dropped to less than 80% of the initial value of the sample without fogging (time without fogging)	55.63 S
No. 02		52.11 S
No. 03		57.08 S
No. 04		50.08 S

- Remark:**
- a) Testing Machine: YT-810 Resistance to fogging tester
  - b) Test temperature: 50°C

– Picture(s) –



--- End of Report ---

## TEST REPORT

Mechanical & Hardgoods Laboratory

Report No. : YA30028/2017

Page : 1 of 2

Date : AUG. 08, 2017

**U-GIN Advanced Material Co., LTD.**

8F-1., No.58, Tongde 11th St., Taoyuan Dist., Taoyuan City 330, Taiwan

**The following merchandise was submitted and identified by the applicant as:**

Product Description: High Clarity Anti-Fog TAC Film

Strle/Item No.: SAF-ST180P

**We have tested the submitted sample(s) as requested and the following results were obtained:**

Test Requested: Resistance to fogging of oculars

Test Method: With reference to Clause 16 of EN 168:2001 Personal eye protection--Non-optical test methods

Test Result: --Please refer to the following page(s)--

Date of Receipt: MAR. 23, 2017 & AUG. 02, 2017

Testing Period: MAR. 23 ~ 31, 2017 & AUG. 02 ~ 08, 2017

--- See Next Page ---

Signed for and on behalf of  
SGS Taiwan Ltd.

  
Owen Cheng  
Manager



Laboratory address:  
61, Kai-Fa Road, Nanzih Export Processing Zone, 81170, Kaohsiung, Taiwan

## TEST REPORT

Mechanical & Hardgoods Laboratory

Report No. : YA30028/2017

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### Test Method & Result:

Resistance to fogging of oculars

### Finding

Sample	Test Method	Test Result
No. 01	To measure the change in the value of the transmittance $\tau_r$ the sample is placed on the seating ring and the time determined until the square of $\tau_r$ has dropped to less than 80% of the initial value of the sample without fogging (time without fogging)	99.59 S
No. 02		94.59 S
No. 03		94.58 S
No. 04		93.08 S

- Remark:**
- a) Testing Machine: YT-810 Resistance to fogging tester
  - b) Test temperature: 50°C

– Picture(s) –

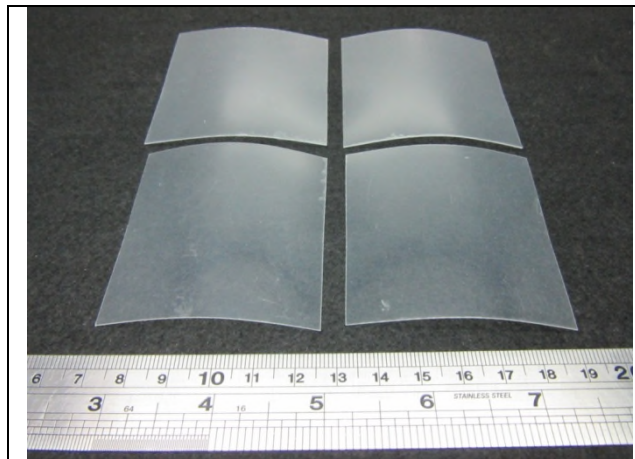


Photo "A" : Appearance of sample

--- End of Report ---

## TEST REPORT

Mechanical & Hardgoods Laboratory

Report No. : YA80006/2016

Page : 1 of 2

Date : AUG. 15, 2016

### U-GIN Advanced Material Co.,Ltd. (UGAM)

3F., No.89-1, Minguang E. Rd., Taoyuan Dist., Taoyuan City, 330, Taiwan

### The following merchandise was submitted and identified by the applicant as:

Product Description: High Clarity Anti-fog TAC Film  
Strle/Item No.: SAF-RT245D  
Manufacturer/Vendor: U-GIN Advanced Material Co.,Ltd (UGAM)  
Country of Origin: Japan

### We have tested the submitted sample(s) as requested and the following results were obtained:

Test Requested: Resistance to fogging of oculars

Test Method: With reference to Clause 16 of EN 168:2001 Personal eye protection--Non-optical test methods

Test Result: --Please refer to the following page(s)--

Date of Receipt: AUG. 05, 2016

Testing Period: AUG. 05 ~ 15, 2016

--- See Next Page ---

Signed for and on behalf of  
SGS Taiwan Ltd.

*Owen Cheng*  
Owen Cheng  
Manager



Laboratory address:  
61, Kai-Fa Road, Nanzih Export Processing Zone, 81170, Kaohsiung, Taiwan

## TEST REPORT

Mechanical & Hardgoods Laboratory

Report No. : YA80006/2016

Page : 2 of 2

### Test Method & Result:

#### Clause

16 Test for resistance to fogging of oculars

#### Finding

Sample	Test Method	Test Result
01	To measure the change in the value of the transmittance $\tau_r$ the sample is placed on the seating ring and the time determined until the square of $\tau_r$ has dropped to less than 80% of the initial value of the sample without fogging (time without fogging)	> 180 s
02		> 180 s
03		> 180 s
04		> 180 s

**Remark:** a) Testing Machine: YT-810 Resistance to fogging tester  
b) Test temperature: 50°C

#### – Picture(s) –

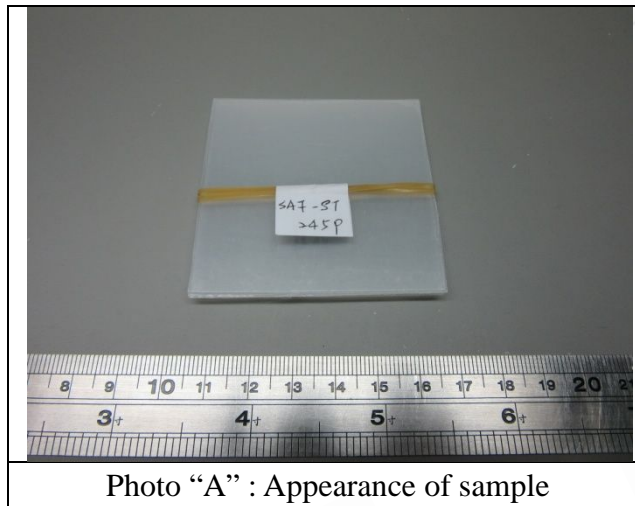


Photo "A" : Appearance of sample

--- End of Report ---

## TEST REPORT

Hardline Laboratory

Report No. : YA80054/2023

Page : 1 of 2

Date : AUG. 23, 2023

### U-GIN ADVANCED MATERIAL CO., LTD.

9F. -5, NO. 266, SEC. 1, WENHUA 2ND RD., LINKOU DIST., NEW TAIPEI CITY 244022, TAIWAN

### The following merchandise was submitted and identified by the applicant as:

Product Description: High Clarity Anti-fog TAC Film

Style/Item No.: SAF-RT300D

### We have tested the submitted sample(s) as requested and the following results were obtained:

Test Requested: Resistance to fogging of oculars

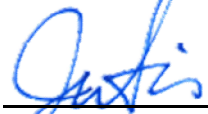
Test Method: With reference to Clause 16 of EN 168:2001 Personal eye protection--Non-optical test methods.

Test Result: --Please refer to the following page(s)--

Date of Receipt: AUG. 14, 2023

Testing Period: AUG. 14 ~ AUG. 23, 2023

Signed for and on behalf of  
SGS Taiwan Ltd.

  
Justin Yang  
Asst. Supervisor



Testing site:  
7F., No. 6, Central 4th Road, Qianzhen Dist., Kaohsiung City, Taiwan

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## TEST REPORT

Hardline Laboratory

Report No. : YA80054/2023

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### Test Method & Result:

Resistance to fogging of oculars

### Finding

Sample	Test Method	Test Result
No. 01	To measure the change in the value of the transmittance $\tau_r$ the sample is placed on the seating ring and the time determined until the square of $\tau_r$ has dropped to less than 80% of the initial value of the sample without fogging (time without fogging)	> 250 S
No. 02		> 250 S
No. 03		> 250 S
No. 04		> 250 S

**Remark:** a) Testing Machine: YT-810 Resistance to fogging tester  
b) Test temperature: 50°C

**Remark:** The content of this report is invalid if it is not presented as the entire report.

– Picture(s) –

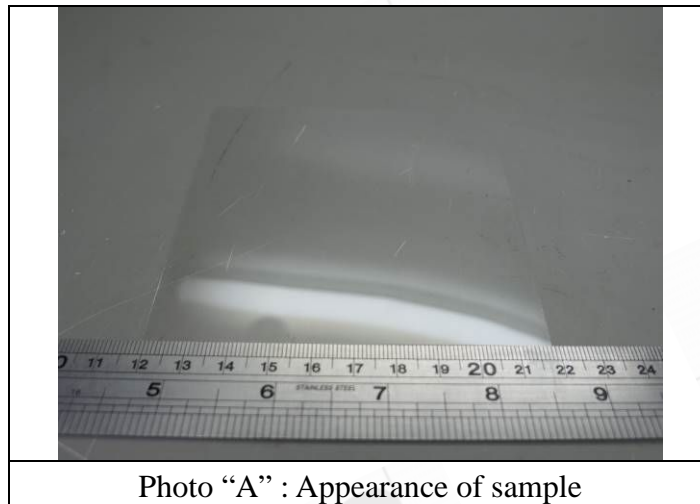


Photo "A" : Appearance of sample

--- End of Report ---