

## TEST REPORT

No. : SHIN2008053093MR

Date : Oct 15, 2020

Page: 1 of 5



CUSTOMER NAME: JIANGSU WANYUAN NEW MATERIALS CO.,LTD.  
ADDRESS: XINGYE ROAD,SHANGDONG TOWN,DANTU  
DISTRICT,ZHENJIANG,JIANGSU,CHINA

Sample Name : Hydrophilic aluminum foil

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.

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SGS Ref. No. : 15240584  
Date of Receipt : Aug 24, 2020  
Testing Start Date : Aug 24, 2020  
Testing End Date : Oct 15, 2020  
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.

Crystal Wan  
Authorized signatory



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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Neutral Salt Spray Test	ASTM B117-19 & ASTM D1654-08(2016) <sup>E1</sup>	See result	/

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



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Test Item: Neutral Salt Spray Test

Sample Description: Aluminum foil

Test Method: ASTM B117-19 & ASTM D1654-08(2016)<sup>E1</sup>

Test Condition:

Concentration of solution collected: (5±1)% NaCl(m/m)

Chamber temperature: (35±2)°C

Volume of salt solution collected: (1.0~2.0)ml/(80cm<sup>2</sup>·h)

pH of collected solution at (23±3)°C: 6.5~7.2

Exposure period: 1000h

Test Result:

Sample	Exposure period	Appearance	Degree of blistering (See note 1)	Rust rating (See note 2)
1	500h	No visible rust, blistering.	10	10
	1000h	No visible rust, blistering.	10	10



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**Note:**

1. According to ASTM D714-02(R2017), degree of blistering included two characteristics of blistering: size and frequency. Size on a numerical scale from 10 to 0, grade 10 is best and grade 0 is worst. Frequency designated as follows: Dense, D; Medium dense, MD; Medium, M, and Few, F.
2. According to ASTM D610-08(R2019), Rust rating using rust rating of 0-10 followed by the type of rust distribution identified by S for Spot, G for General, P for Pinpoint or H for Hybrid.

Percent of surface rusted, A (%)	Rust rating
A≤0.01	10
0.01<A≤0.03	9
0.03<A≤0.1	8
0.1<A≤0.3	7
0.3<A≤1.0	6
1.0<A≤3.0	5
3.0<A≤10.0	4
10.0<A≤16.0	3
16.0<A≤33.0	2
33.0<A≤50.0	1
50<A	0

3. Test specimens were cut from the original sample.



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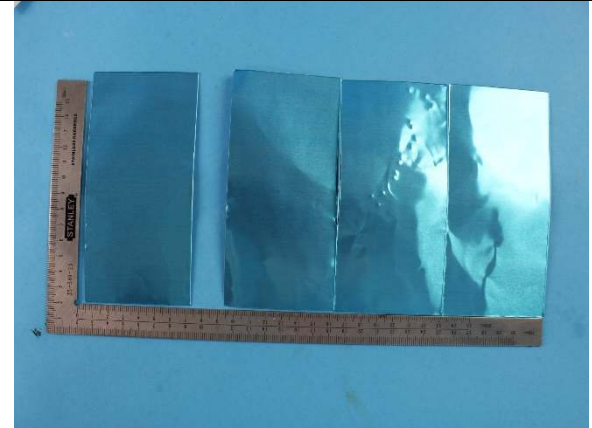
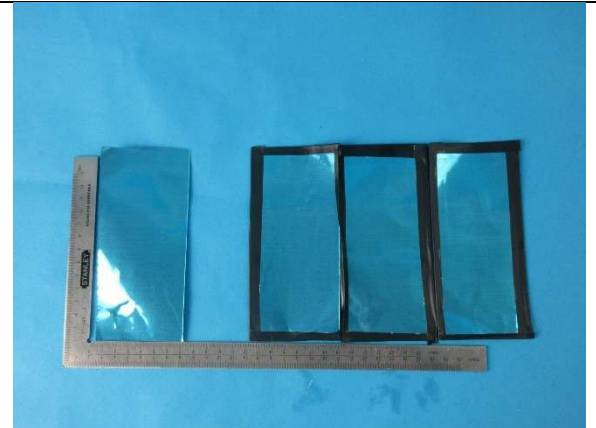
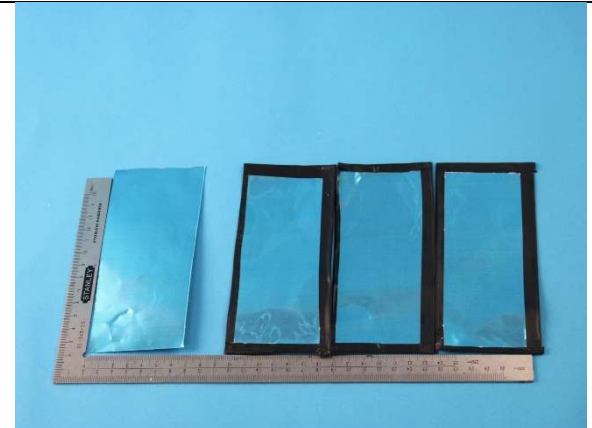
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Test Photo:

	
Original sample	Reference sample      Test sample Before test
	
Reference sample      Test sample After test(500h)	Reference sample      Test sample After test(1000h)

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

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