



TEST REPORT

No. : GZIN161102146CCM

Date : Dec. 09, 2016

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CLIENT NAME: JIANGSU PIVOT NEW DECORATIVE MATERIALS CO., LTD.
ADDRESS: PIVOT INDUSTRIAL PARK, HUASHI, JIANGYIN, JIANGSU, CHINA

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name : Aluminum composite panel
Spec. : FEVE
SGS Ref. No. : GZIN161102146CCM
Manufacturer : JIANGSU PIVOT NEW DECORATIVE MATERIALS CO., LTD.
Test Performed : Selected test(s) as requested by applicant
Date of Receipt : Nov. 22, 2016
Test Period : Nov. 23, 2016 to Nov. 30, 2016

Test result(s) : Please refer to the following page(s)

*****To be continued*****

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd
Guangzhou Branch

Jay Xue
Authorized signatory

** Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. The report should not be reproduced except in full without written approval from the Company



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Guangzhou Branch Testing Service Construction Material Laboratory

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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Abrasion Resistance	AAMA 2605-13 Section 8.6 & ASTM D968-05(2010) Method A	Appearance: Visual abrasion trace, but no worn-out to the substrate	Pass
2	Impact Resistance	AAMA 2605-13 Section 8.5	No removal of film	Pass
3	Dry Adhesion	AAMA 2605-13 Section 8.4.1.1, 8.4.1.2	No removal of film or loss of adhesion	Pass
4	Dry Film Hardness	AAMA 2605-13 Section 8.3 & ASTM D3363-05(2011) ^{ε2}	Scratch hardness: F	Pass
5	Specular Gloss	AAMA 2605-13 Section 8.2	Gloss: 51	Pass
6	Peel Strength	ASTM D903-98(2010)	0.433kgf/mm	/

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

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1. Test Item: Abrasion Resistance

Sample Description: See photo

Test Method: AAMA 2605-13 Section 8.6 & ASTM D968-05(2010) Method A

Test Condition:

Abrasive sand: Silica sand

Speed: 21~23.5s/2L

Coating thickness: 1.70mil

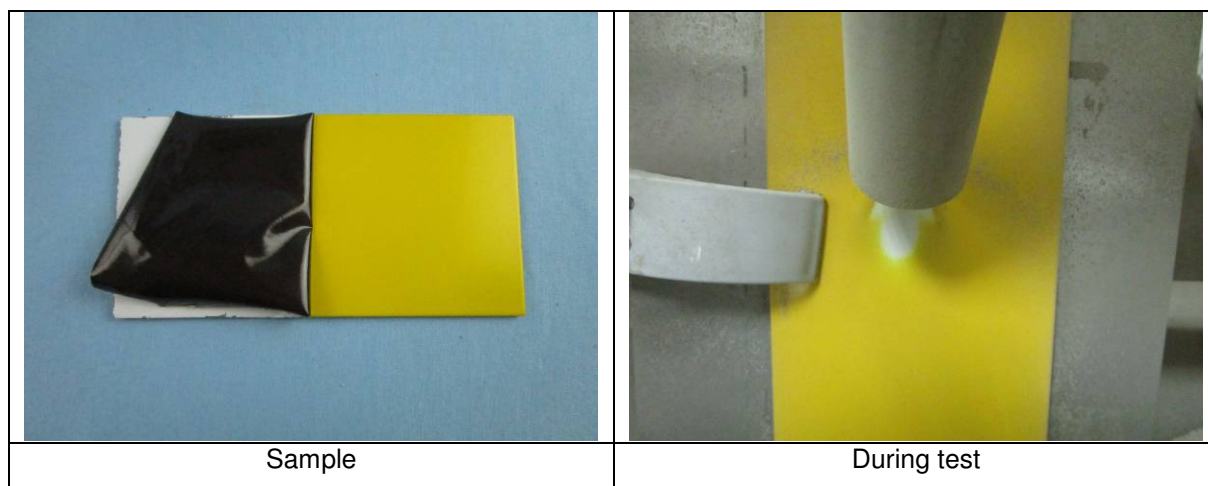
Liters of sand: 68L

Test Result:

Test Item	Appearance	Requirement in AAMA 2605-13	Conclusion
Impact Resistance	Visual abrasion trace, but no worn-out to the substrate	$\geq 40L/mil$	Pass

Note: The protected film was ripped off before test.

Test Photo:

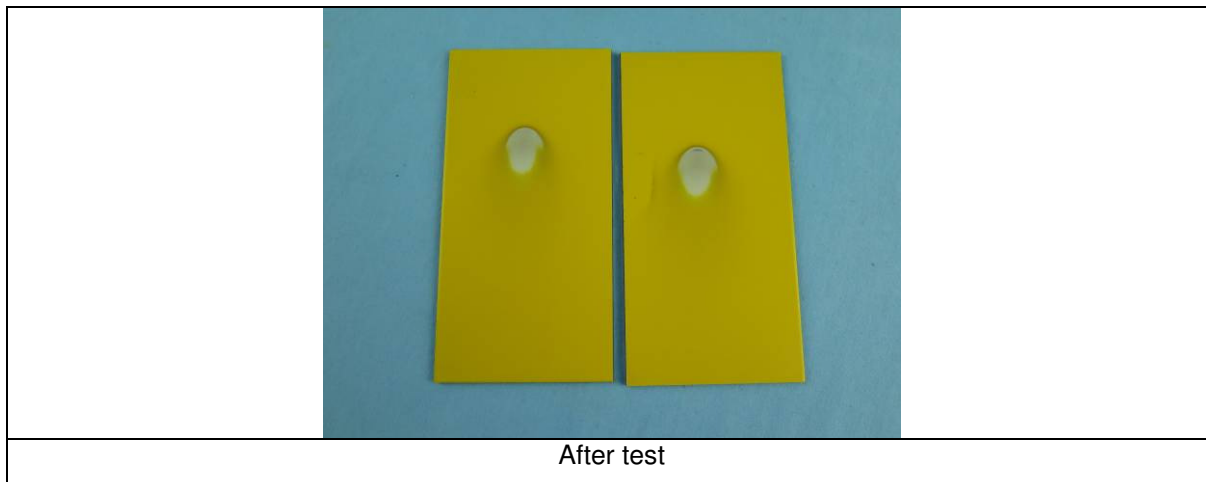


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2. Test Item: Impact Resistance

Sample Description: See photo

Test Method: AAMA 2605-13 Section 8.5

Test Condition:

Diameter of the punch: 16mm

Impact type: Intrusion

Tape: Elcometer 99

Test Result:

Test Item	Test result	Requirement in AAMA 2605-13	Conclusion
Impact Resistance	No removal of film	No removal of film	Pass

Note: The protected film was ripped off before test.

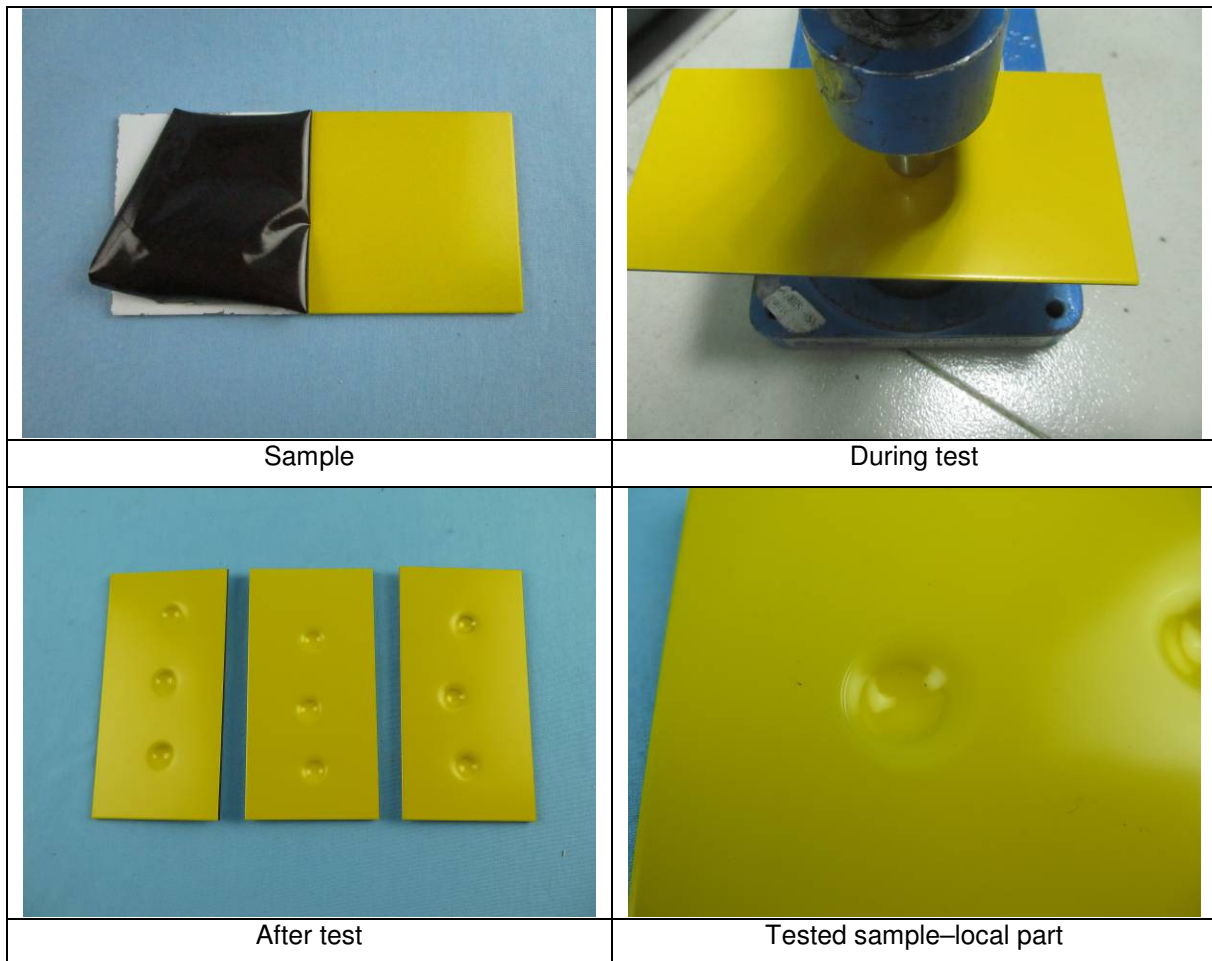
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Test Photo:



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3. Test Item: Dry Adhesion

Sample Description: See photo

Test Method: AAMA 2605-13 Section 8.4.1.1 & 8.4.1.2

Test Condition:

Space: 1mm

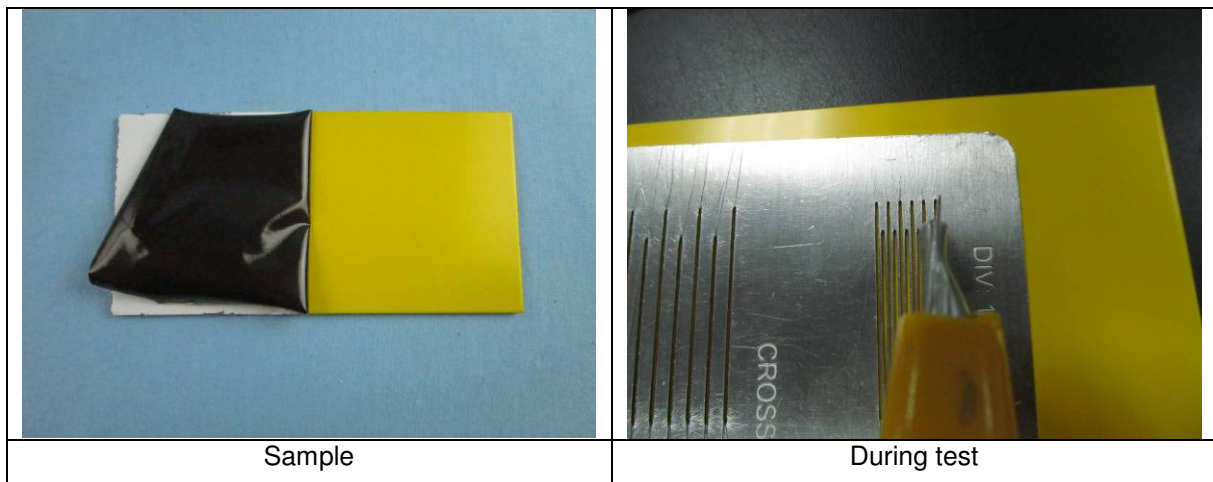
Tape: Elcometer 99

Test Result:

Test Item	Test results	Requirement in AAMA 2605-13	Conclusion
Dry Adhesion	No removal of film or loss of adhesion	No removal of film or loss of adhesion	Pass

Note: The protected film was ripped off before test.

Test Photo:

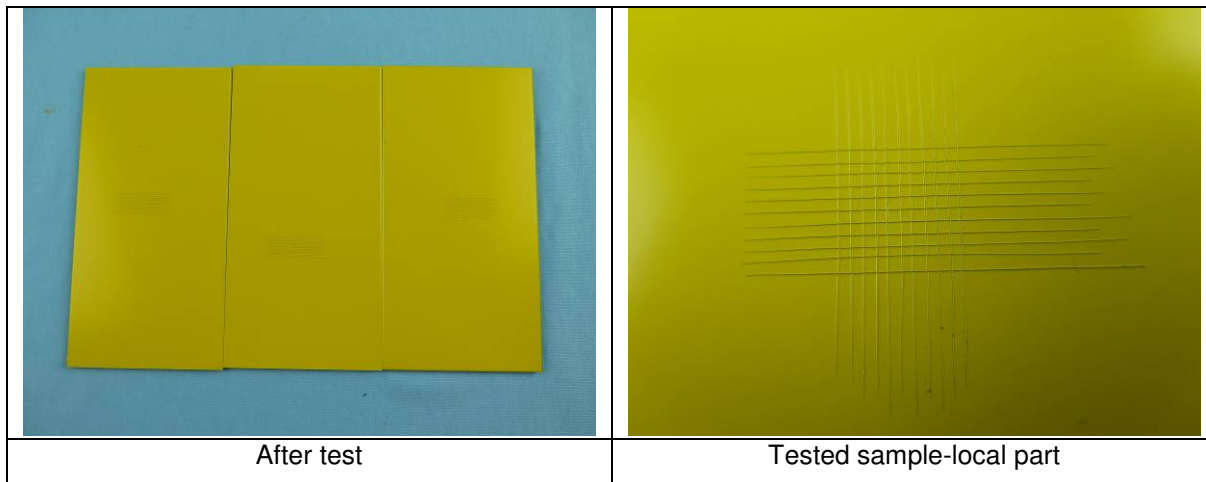


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4. Test Item: Dry Film Hardness

Sample Description: See photo

Test Method: AAMA 2605-13 Section 8.3 & ASTM D3363-05(2011)^{e2}

Test Condition:

Pencil: Mitsubishi® Uni

Test Result:

Test Item	Test result	Requirement in AAMA 2605-13	Conclusion
Dry Film Hardness	Scratch hardness: F	≥ F	Pass

Note:

1. In ASTM D3363-05(2011)^{e2}, 6H is the hardest and 6B is the softest.
2. The protected film was ripped off before test.

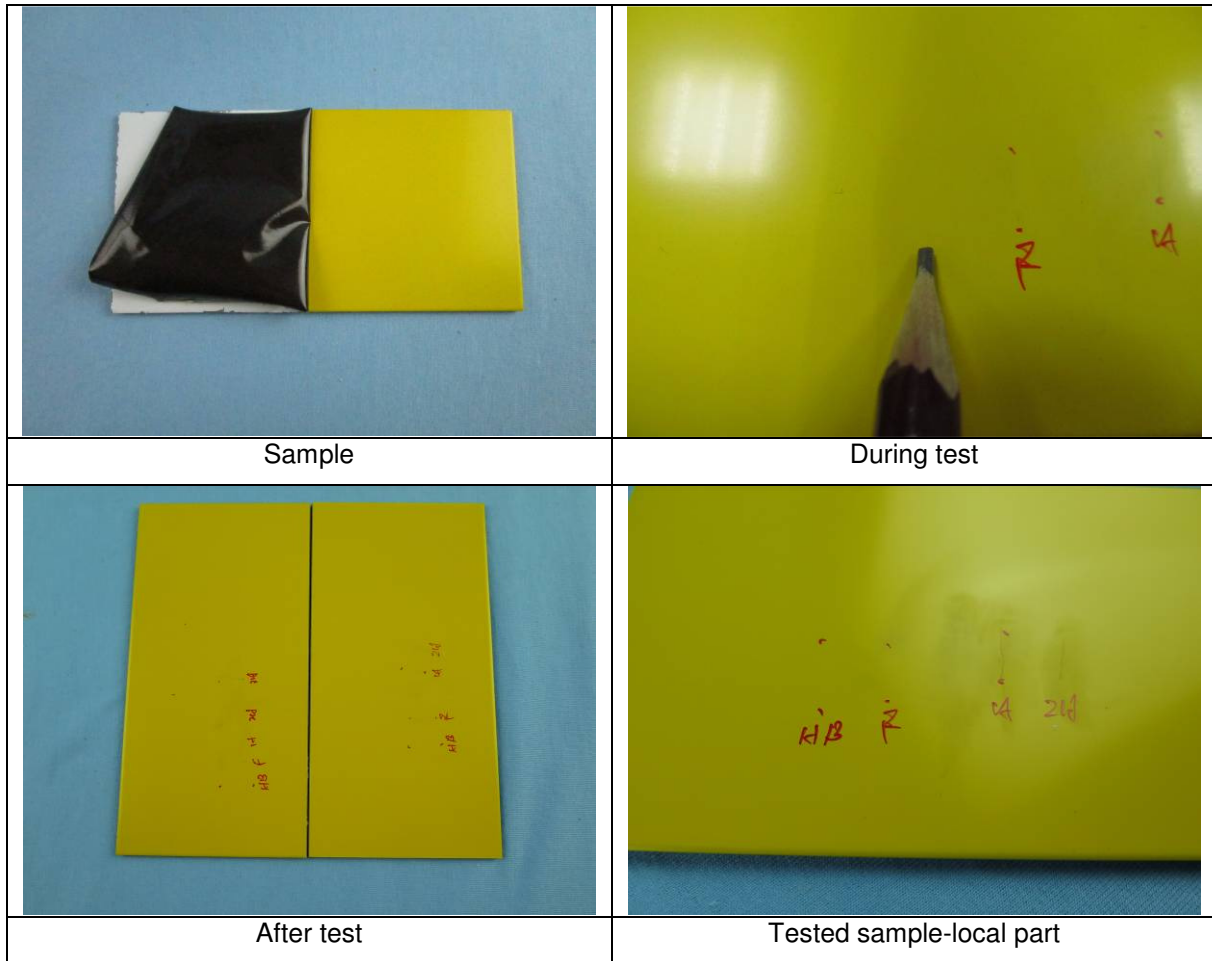
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5. Test Item: Specular Gloss

Sample Description: See photo

Test Method: AAMA 2605-13 Section 8.2 & ASTM D523-14

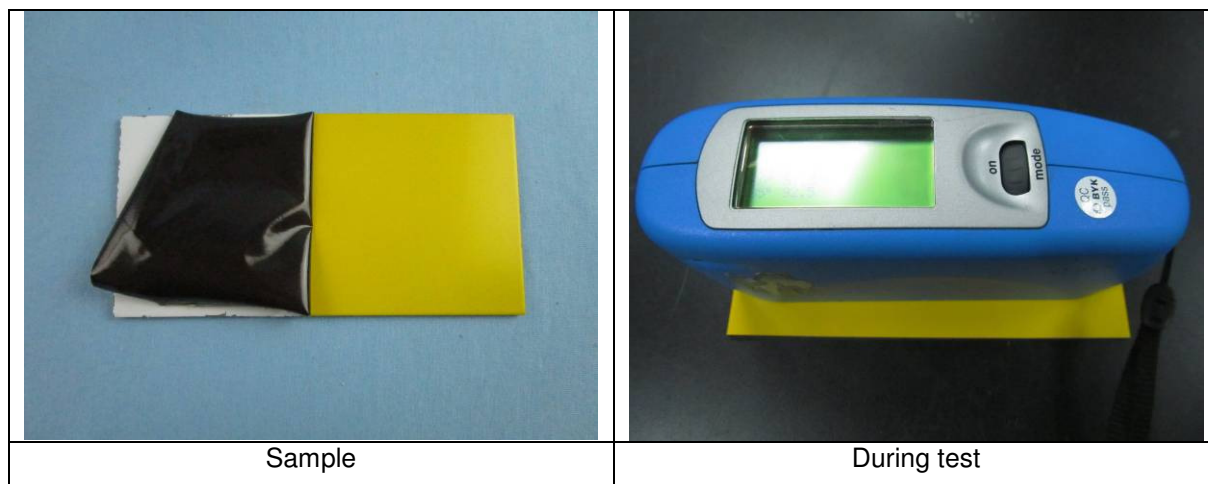
Test Condition: 60° geometry

Test Result:

Test Item	Gloss	Client's requirement	Conclusion
Specular Gloss	51	47±5	Pass

Note: The protected film was ripped off before test.

Test Photo:



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6. Test Item: Peel Strength

Sample Description: See photo

Test Method: ASTM D903-98(2010)

Test Condition:

Specimen width: 25mm

Separation speed: 152.4mm/min

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

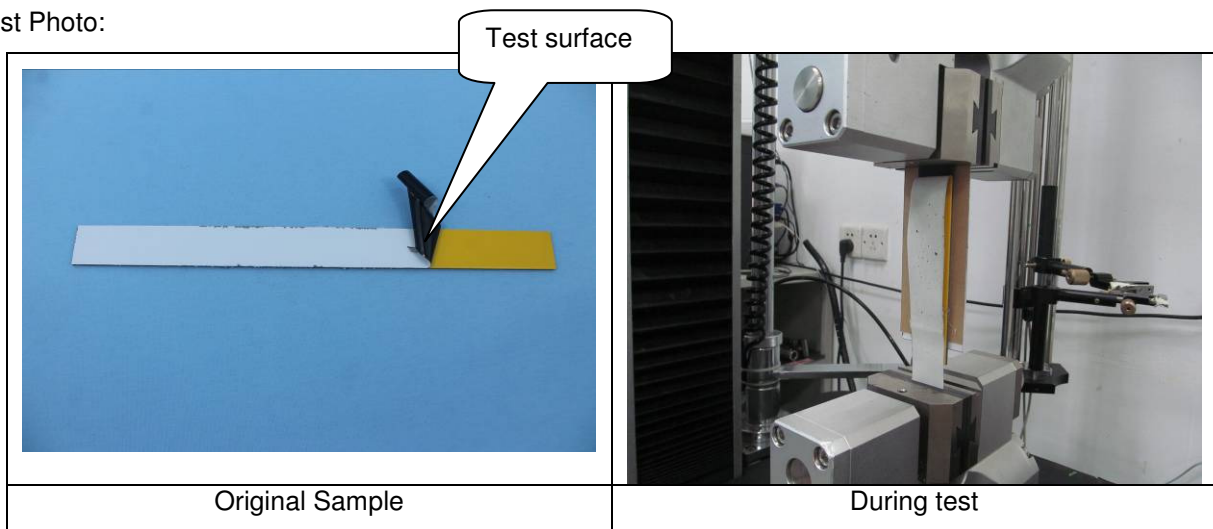
Test Result:

Test Item	Test Result
Peel Strength	0.433kgf/mm

Note:

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

Test Photo:

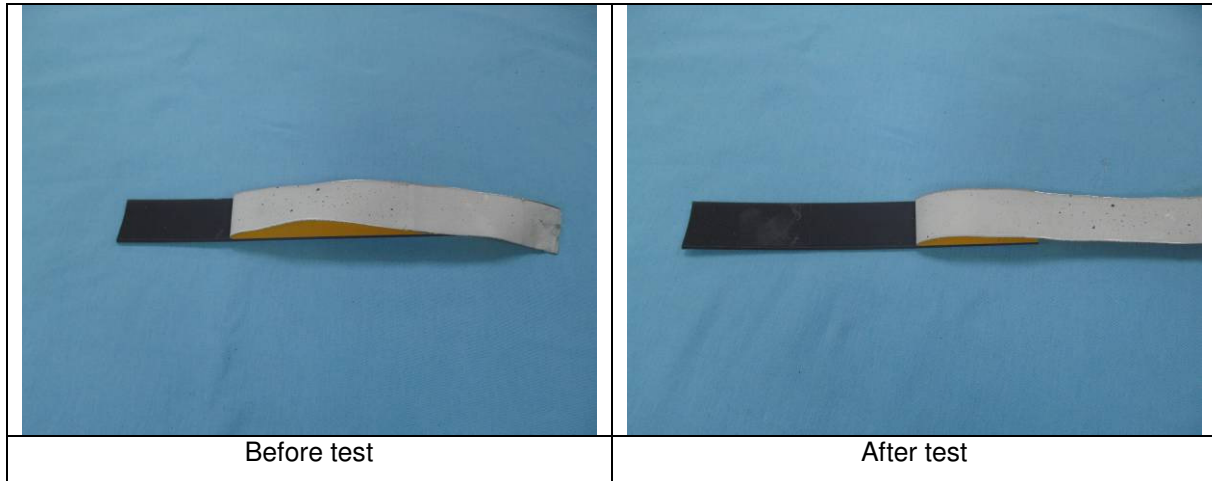


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***** End of report*****



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