

TEST REPORT

No:2023DACS20612



SAMPLE	Photovoltaic Coated Glass	
MODEL/TYPE	3.2mm	
A DDI LCA NE	W 1 11 C1 D . L . 1	
APPLICANT	Vishakha Glass Pvt.Ltd	

National Center of Inspection on Solar Photovoltaic Products Quality
Wuxi Institute of Inspection, Testing and Certification

ATTENTION

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- 3. The report is invalid if altered, added or deleted.
- 4. The test report is invalid without the signature of main tester, reviewer and approver.
- 5.If opposing to this test report, any party concerned can bring forth an opposition within 15 days after receiving of this report, and it will not be accepted after the specified date.
- 6.The submitted samples and related information are provided by the customer. This institution is not responsible for its correctness.
- 7. The results apply only to the samples received.
- 8. When a statement of conformity is required, the statement be handled according to standard RB/T197-2015, Guide on stating test and calibration results and compliance with specification. Unless the rule have been prescribed by customers, regulations or normative documents. Unless otherwise stated, the compliance report is based on an extended uncertainty with a probability of approximately 95%.
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- 11.If you want to check the authenticity of the electronic report (only original PDF electronic report), you need to use Adobe Acrobat Reader to open it and click on the signature to check if the document has been modified.

National Center of Inspection on Solar Photovoltaic Products Quality

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TEST REPORT

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NO: 2023DAC320012			page 1 of 5		
Camala Danaintian	District Control Class	Model/Type	3. 2mm		
Sample Description	Photovoltaic Coated Glass	Trade Mark			
Nominal Producer	Vishakha Glass Pvt.Ltd				
Applicant Name \Add.\P.C.	Vishakha Glass Pvt.Ltd\SURVEY NO 180/P, IND-30A AND 30B ADANI PORTS AND SPECIAL ECONOMIC ZONE MUNDRA, KUTCH, KACHCHH, Gujarat-370421\				
Sample Quantity	22 pcs	Condition of Sample	The samples are ready for test		
Nominal Date of Production /Lot No.	/	Date of Sample Receiving	2023-10-26		
Testing Date(s)	2023-11-01~2023-11-16	Testing Location	CPVT • Xinhua Road, CPVT • Zhangjiagang		
Test In Accordance With	GB/T 24368-2009 Test method for hydrophobic contamination on glass by contact angle measurement JC/T 2170-2013(2017) Anti-reflective coated glass for photovoltaic modules Refer to IEC 61730-2:2016 Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing Test requirements given by the customer				
Decide In Accordance With	JC/T 2170-2013(2017) Anti-reflective coated glass for photovoltaic modules Technical requirements given by the customer				
Conclusion		Data of is	ssue: 报告签发日期		
Remarks:	The name of manufacturer was provided by the customer.				

Approved by: 报告编制批准 签发

Approved by: 报告编制批准 Reviewed by: 报告编制审核

Tested by: 本學本 龚铭民

正体

A List OF Test Result

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NO.	TESTING ITEMS	UNIT	SPECIFICATIONS	TEST RESULTS	JUDGEMENT
1	Scrub resistance test		Mass fraction: 0.5%, pH:10.3, total number:400 cycles. The average reduction in effective solar transmittance after experiment:≤1%. Coating inspection: no shedding, stripping or wrinkling on the coating.	1#: 0.27% No changes on the coating 2#: 0.34% No changes on the coating 3#: 0.35% No changes on the coating	PASS
2	Humidity-freeze Test		Relative humidity 85%, temperature from 85°C to -40°C, 10 cycles. The average reduction in effective solar transmittance after experiment:≤1%. Coating inspection: no shedding, stripping or wrinkling on the coating.	4#: 0.72% No changes on the coating 5#: 0.71% No changes on the coating 6#: 0.83% No changes on the coating	PASS
3	UV Test		Make sure that the sample temperature is 60°C±5°C. Total UV irradiation is 15 kWh • m ⁻² . The average reduction in effective solar transmittance after experiment:≤1%. Coating inspection: no shedding, stripping or wrinkling on the coating.	7#: 0.32% No changes on the coating 8#: 0.29% No changes on the coating 9#: 0.38% No changes on the coating	PASS
4	Water contact angle		Test water contact angle at 5s on coating surface.	10#: 6.1° 11#: 8.3° 12#: 6.0°	
5	Shock resistance		Impact surface in horizontal. Steel ball diameter 63.5 mm, quality 1040 g. Make the steel ball free falling from 1000mm. The impact point was within 25mm from the sample center. Each sample was impacted one time. The impact surface was the coated side. The specimen shall not be broken after test.	13#: No broken 14#: No broken 15#: No broken 16#: No broken 17#: No broken 18#: No broken	PASS

A List OF Test Result

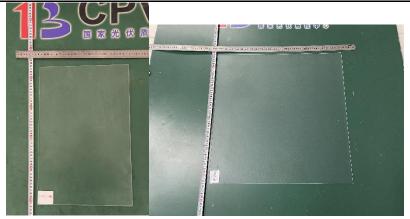
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NO.	TESTING ITEMS	UNIT	SPECIFICATIONS	TEST RESULTS	JUDGEMENT
6	Fire test (Grade A)		The samples shall not be broken after test.	19#: No broken 20#: No broken 21#: No broken	PASS

REMARKS: The quantity of the samples was 22 pcs. The quantity of the samples $300\text{mm} \times 450\text{mm}$ was 12 pcs, samples numbers were 1#-12#; the quantity of the samples $610\text{mm} \times 610\text{mm}$ was 6 pcs, samples numbers were 13#-18#; the quantity of the finished samples was 4 pcs, took 3 pcs of them to test, samples numbers were 19#-21#. Others were spares.

Attached Pictures/Tables

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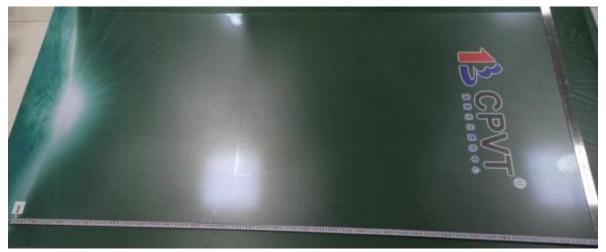


Fig. 1:Picture of sample

Attached Pictures/Tables

