Report No.: W-15803-2021-BL161\*







中国认可 国际互认 检测 TESTING CNAS L6910

### **Test Report**

Name of Product:	Smart Film
Requester:	Shenzhen Filmbase Technology Co., Ltd.
Manufacturer:	Shenzhen Filmbase Technology Co., Ltd.
Test category:	Commissioned Inspection
rest category.	HATALIAN AND COLOR
	<b>检验检测</b> 专用章



China Quality Certification Centre Huazhong Laboratory

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Name of product	Smart Film	Date of production	
Requester	Shenzhen Filmbase Technology Co., Ltd.	Test category	Commissioned Test
Requester address	31F, 3A Building,Smart Park,Baolong,Longgang,Shenzhen	Sample grade	
Manufacturer	Shenzhen Filmbase Technology Co., Ltd.	Sample status	Intact
Manufacturer address	31F, 3A Building,Smart Park,Baolong,Longgang,Shenzhen	Sampler	
Sampling base		Sampling date	
Receiving date	2021-09-15	Completion date	2021-09-24
Methods	GB/T 2410-2008 《Determination of luminous transplastics》 GB/T 2680-1994 《Glass in building-Determination transmittance, total solar energy transmittance, ultrafactors》 GB/T 22476-2008 《Calculation and determination transmittance) of multiple glazing》	n of light transmit violet transmittand	tance, solar direct ce and related glazing
Test item	Light transmittance, solar direct transmittance, solar direct reflectance, solar direct absorption, total solar energy transmittance, shading coefficient, ultraviolet transmittance, thermal transmittance, normal reflectance, standard emissivity, corrected emissivity, haze (power on, power off), luminous transmittance (power on, power off)		
Sample	Model:LF-S-WT-N		
description	Specification and quantity: 100 mm×100mm	3 pieces	
Conclusion	The results are shown in actual measured values.  (China Quality Cer	tification Centre I	Huazhong Laboratory)
Remarks		E ANA	中田章

Approved by: Yuanxin Chen

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Verified by: Subo Feng

Xia Wu

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Sample size: 100mm×100mm

Sample condition: intact

Test environment: temperature: 22°C, humidity: 58%RH

Instrument: ultraviolet/visible/near infrared spectrophotometer, fourier transform

infrared spectrometer

Test item	Sample serial	Results (power off)	Results (power on)
	number	<b>u</b> ,	,
Light transmittance (Tvis)	WBL165- M-1	74.11%	85.04%

Note: 1. Power off: It means that the power supply is not connected during testing;

2. Power on: It means that the power supply is connected during testing (the power supply is provided by the enterprise, and the power-on voltage is 60V).

Tested by: 夏食

Verified by: 冯素波

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Sample size: 100mm×100mm Sample condition: intact

Test environment: temperature: 22°C, humidity: 58%RH

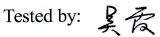
Instrument: ultraviolet/visible/near infrared spectrophotometer, fourier transform

infrared spectrometer

Test item	Sample serial	Results (power off)	Results (power on)
	number		
Total solar energy transmittance (SHGC)	WBL165- M-1	74.1%	82.3%

Note: 1. Power off: It means that the power supply is not connected during testing;

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Sample condition: intact Sample size: 100mm×100mm

Test environment: temperature: 22°C, humidity: 58%RH

Instrument: ultraviolet/visible/near infrared spectrophotometer, fourier transform

infrared spectrometer

Test item	Sample serial number	Results (power off)	Results (power on)
,	Humo er		
Shading coefficient (SC)	WBL165- M-1	85.2%	94.6%

Note: 1. Power off: It means that the power supply is not connected during testing;

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Sample condition: intact Sample size: 100mm×100mm

Test environment: temperature: 22°C, humidity: 58%RH

Instrument: ultraviolet/visible/near infrared spectrophotometer, fourier transform

infrared spectrometer

Test item	Sample serial number	Results (power off)	Results (power on)
	number		
Ultraviolet transmittance (T <sub>uv</sub> )	WBL165- M-1	20.19%	31.24%

Note: 1. Power off: It means that the power supply is not connected during testing;

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Sample size: 100mm×100mm

Sample condition: intact

Test environment: temperature: 22°C, humidity: 58%RH

Instrument: ultraviolet/visible/near infrared spectrophotometer, fourier transform

infrared spectrometer

Test item	Sample serial number	Results (power off)	Results (power on)
Thermal transmittance W/(m <sup>2</sup> k)	WBL165- M-1	5.603	5.581

Note: 1. Power off: It means that the power supply is not connected during testing;

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Tested by: 吴食

Verified by: 冯素波

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Sample size: <u>100mm×100mm</u> Sample condition: <u>intact</u>

Test environment: temperature: 22°C, humidity: 58%RH

Instrument: <u>ultraviolet/visible/near infrared spectrophotometer and Fourier transform</u>

infrared spectrometer

Test item	Sample serial	Results (power off)	Results (power on)
	number		
Direct solar transmittance (T <sub>sol</sub> )	WBL165- M-1	73.85%	80.02%

Note: 1. Power off: It means that the power supply is not connected during testing;

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Sample size: <u>100mm×100mm</u> Sample condition: <u>intact</u>

Test environment: temperature: 22°C, humidity: 58%RH

Instrument: ultraviolet/visible/near infrared spectrophotometer, fourier transform

infrared spectrometer

	Sample		
Test item	serial	Results (power off)	Results (power on)
	number		
Solar direct absorption	WBL165- M-1	3.50%	2.04%

Note: 1. Power off: It means that the power supply is not connected during testing;

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Sample size: 100mm×100mm

Sample condition: intact

Test environment: temperature: 22°C, humidity: 58%RH

Instrument: ultraviolet/visible/near infrared spectrophotometer, fourier transform

infrared spectrometer

Test item	Sample serial number	Results (power off)	Results (power on)
Standard emissivity	WBL165- M-1	0.917	0.917

Note: 1. Power off: It means that the power supply is not connected during testing;

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Sample size: 100mm×100mm Sample condition: intact

Test environment: temperature: 22°C, humidity: 58%RH

Instrument: ultraviolet/visible/near infrared spectrophotometer, fourier transform

infrared spectrometer

Test item	Sample serial	Results (power off)	Results (power on)
	number		
Normal reflectance	WBL165- M-1	8.26%	8.32%

Note: 1. Power off: It means that the power supply is not connected during testing;

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Sample size: 100mm×100mm Sample condition: intact

Test environment: temperature: 22°C, humidity: 58%RH

Instrument: ultraviolet/visible/near infrared spectrophotometer, fourier transform

infrared spectrometer

Test item	Sample serial	Results (power off)	Results (power on)
	number		
Corrected emissivity	WBL165- M-1	0.860	0.859

Note: 1. Power off: It means that the power supply is not connected during testing;

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Date: 2021-09-24

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Sample condition: intact Sample size: 100mm×100mm

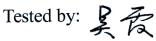
Test environment: temperature: 22°C, humidity: 58%RH

Instrument: high-precision haze tester

Test item	Sample serial number	Results (power failure)	Results (energized)			
Haze	WBL165-M-1	100.00%	3.75%			
	WBL165-M-2	100.00%	3.72%			
	WBL165-M-3	100.00%	3.99%			
Luminous transmittance	WBL165-M-1	67.96%	81.54%			
	WBL165-M-2	67.60%	81.56%			
	WBL165-M-3	68.84%	82.15%			

Note: 1. Power off: It means that the power supply is not connected during testing;

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Verified by: 冯素波

Date: 2021-09-24

#### List of test instruments

Number	Instrument	Model	Serial number	Measurement validity	Use
1	Ultraviolet/visible/ near infrared spectrophotometer	Lambda 950	CQCBL001	2022-07-29	V
2	Fourier transform infrared spectrometer	Frontier	CQCBL002	2021-12-26	<b>V</b>
3	High-precision haze tester	SGH-2	CQCBL028	2021-12-26	<b>V</b>

Statement

1. The test report is invalid without the "special seal for inspection and test" and the

seal for sewing.

2. The test report is invalid without the signature of "Test, Verify and Approval".

3. The test report shall not be partially copied without the permission of our

laboratory.

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technology, and the alteration is invalid.

5. If the entrusting unit disagrees with this test report, it shall submit it to this test

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accepted after the deadline.

6. The test samples and entrusted information are provided by the Requester, and

the laboratory is not responsible for their authenticity, but the test results are only

responsible for the samples.

7. Without the written consent of our laboratory, this report and data shall not be

used for commercial advertisement, and violators will be prosecuted.

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