

TEST REPORT

NO.: A001P120514002-3

Date: May 30, 2012

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Customer: CHEUNG KEE CANVAS LIMITED

Address: G/F 325 RECLAMATION STREET KOWLOON HONGKONG

Report on the submitted sample said to be:

Sample name: BLUE&WHITE PE TARPAULIN 150g/m²

Model: /

Item/Lot No.: /

Material: /

Buyer: CHEUNG KEE CANVAS LIMITED

Supplier: /

Manufacturer: /

Sample received date: May 14, 2012

Testing period: From May 14, 2012 to May 30, 2012

Testing Requested:

As specified by client, to do Ultraviolet Light Irradiation Test on the submitted samples.


Testing method:

ISO4892

*****FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)*****


Signed for and on behalf of
Shenzhen AOV Testing Technology Co., Ltd.

Prepared by:


Yi Chu Yao, Steven
Project Engineer

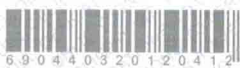


Reviewed by:


Yan Wei, Barry
Project Supervisor

Approved by:


Jie Hua, Jeewah
Technical Director



EO 0012012041201254

SHENZHEN AOV TESTING TECHNOLOGY CO., LTD

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400.700.8600

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Test Condition:

- 1) Ambient temperature and relative humidity: 23°C, 50% RH.
- 2) Lamp type: UVA-340, 8H UV at (60°C) BST, 0.76w/m²*nm@340nm, 4H condensation at (50°C) BST
- 3) A total time: 240H

Test Equipment:

Equipment	Manufactory	Model	Calibration date	Validity
Spray-type UV aging machine	Q-Lab	QUV/SPRAY	2011-07-13	1year

Testing Result:

Test sample	Test result	Test conclusion & Rating
BLUE&WHITE PE TARPAULIN 150g/m ²	After test 1) After the test, the samples have blisters surface rupture, but sample color no significant change. 2) ΔE value attached.	4-5

Attachment:

D65/10 SCI					
Position	Time(hours)	L*	a*	b*	ΔE
BLUE	0	54.12	-6.98	-33.88	0
	24	49.84	-5.78	-29.52	6.22
	48	52.28	-7.45	-31.64	2.93
	72	48.58	-6.42	-31.32	6.16
	96	50.50	-6.44	-28.95	6.14
	120	51.34	-6.90	-30.43	4.43
	144	52.87	-7.30	-33.39	1.38
	168	52.44	-7.34	-32.17	2.42
	192	51.08	-6.24	-30.17	4.85
	216	51.87	-7.55	-31.52	3.31
	240	51.69	-7.52	-31.91	3.18
WHITE	0	82.90	2.14	-5.09	0
	24	82.21	1.59	-4.53	1.05
	48	82.02	1.27	-3.10	2.34
	72	80.82	1.22	-3.49	2.78



EO 0012012041201255

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WHITE	96	80.01	1.09	-3.33	3.54
	120	80.89	1.11	-3.01	3.08
	144	81.29	0.97	-3.06	2.84
	168	81.99	0.99	-2.47	3.00
	192	82.55	1.02	-2.54	2.81
	216	83.97	1.00	-2.00	3.47
	240	82.51	0.91	-2.01	3.34

Note:

- Photos of sample are included.

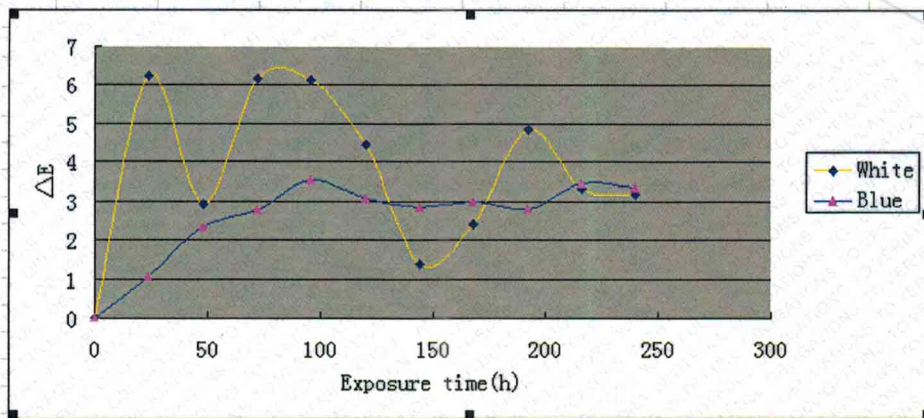
Photograph of Sample



Photo1 Before test sample view

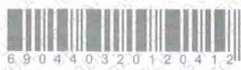


Photo2 After test sample view



Picture 3 the curve of the color change with the exposure time

End of Report



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