

TEST REPORT

NO.: A002R130308065-1R01

Date: Apr. 26, 2013

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Customer: XXXXXXXXXXXXX

Address: XXXXXXXXXXXXX

Report on the submitted sample said to be:

Sample name: VARDaflex Neon Tube

Model: Vardaflex Neon, VARDaflex Neon Tube, VARDaflex Neon Top

Item/Lot No.: /

Material: /

Buyer: /

Supplier: /

Manufacturer: /

Sample received date: Mar. 08, 2013

Testing period: From Mar. 08, 2013 to Apr. 26, 2013

Testing Requested

As specified by client, to do Xenon lamp test on the submitted sample.

Testing method:

ISO 4892-2:2009

Result

Pass

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

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

Project Leader: Winnie
Yin Ying, Winnie
Physics Test Director

Reviewed by: Weikin
Wang Weixin, Weikin
Technical Director

Approved by: Mickey
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Lab Manager

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Testing Parts

1. Laboratory temperature and humidity

Temperature	23°C±2°C
Humidity	50% RH±5%RH

2. Testing Condition

2.1 Irradiation intensity: 0.51w/m²@340nm

2.2 BPT: 65°C

2.3 Relative humidity: 50%

2.4 Light 102min, spray 18min

2.5 Test time: 1000h

3. Testing Instrument

Light Aging Test Chamber

Equipment Number : Q-Sun Xe-3-HBS

Calibration Number : 900194753

Calibration Date : 2013.01.09

Period of validity : 1 year

4. Testing Result

4.1 Appearance description

Sample name	Testing result
VARDAflex Neon Tube	After light 120 h test, sample clear yellow.

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4.2 ΔE and gray scale

Sample name	D65/10 SCI						Gray scale (according to ISO 105 A02)	
	Before test			After 120h test			ΔE	
	L	a*	b*	L	a*	b*	Grade 2-3	
	39.83	1.66	-8.25	39.4	0.74	-3.83		4.54
VARDA flex Neon Tube	Before test			After 240h test			ΔE	Grade 2-3
	L	a*	b*	L	a*	b*	4.20	
	39.83	1.66	-8.25	40.26	0.81	-4.16		4.20
	Before test			After 480h test			ΔE	Grade 2-3
	L	a*	b*	L	a*	b*	5.11	
	39.83	1.66	-8.25	39.02	0.31	-3.39		5.11
	Before test			After 720h test			ΔE	Grade 1-2
	L	a*	b*	L	a*	b*	8.47	
	39.83	1.66	-8.25	38.38	-0.09	-0.09		8.47
	Before test			After 1000h test			ΔE	Grade 1-2
L	a*	b*	L	a*	b*	9.25		
39.83	1.66	-8.25	38.66	-0.05	0.77		9.25	

Note

- Photo is included

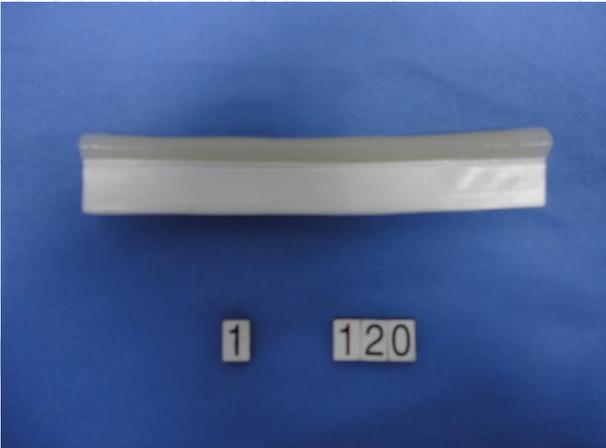
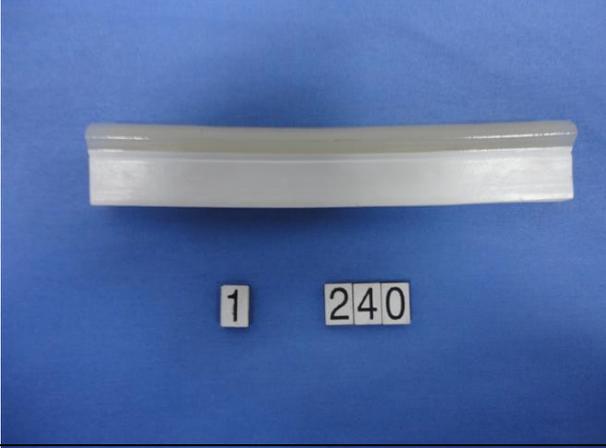
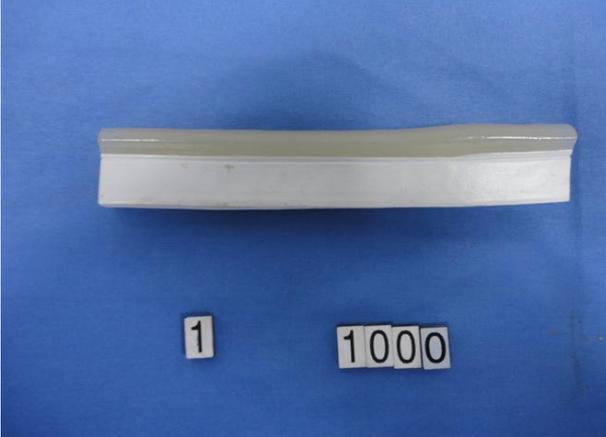
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Testing Photos

Before test	After 120h test
	
After 240h test	After 480h test
	
After 720h test	After 1000h test
	

End of Report