

Test Report No. 719184610-MEC10-HWC
dated 29 Sep 2010
QM-0810-146



PSB Singapore

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The terms and conditions governing the issue of this report are set out as attached within this report.

SUBJECT:

Light fastness test for 40 pieces of rubber sheet submitted by
Superlon Worldwide Sdn Bhd on 08 Sep 2010.

TESTED FOR:

Superlon Worldwide Sdn Bhd
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Malaysia

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Attn: Ms. Joanna Chuang

TEST DATE:

16 Sep 2010 to 28 Sep 2010

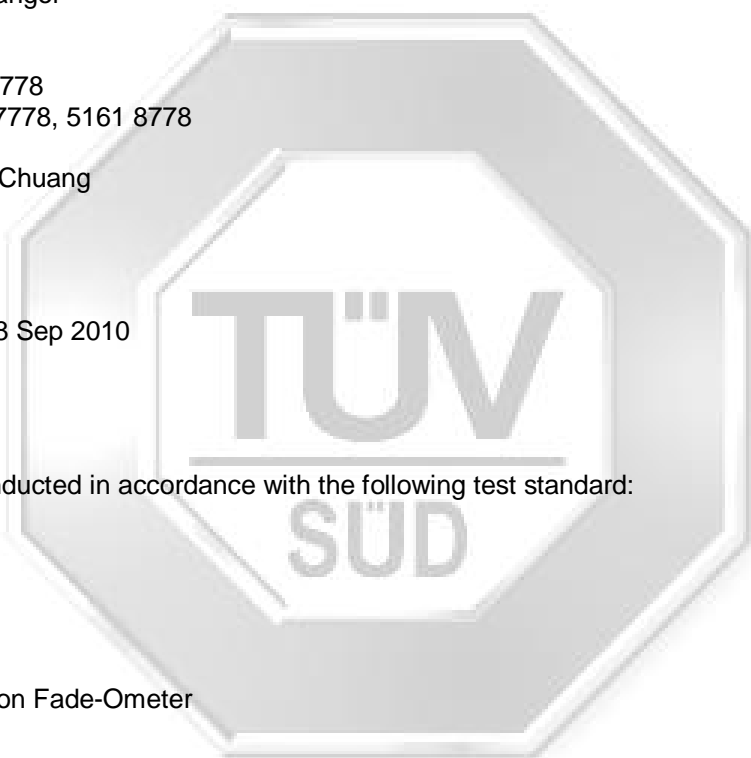
TEST METHOD:

The test were conducted in accordance with the following test standard:

ASTM G155-1

EQUIPMENT:

Atlas Ci4000 Xenon Fade-Ometer



Laboratory:
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TUV®

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TEST CONDITIONS:

No	Item	Specification
		Method E Xenon Lamp (Ci4000)
1	Irradiance method	Continuous
2	Irradiance	0.35 W/m ² (340nm)
3	Filter - Inside	Borosilicate S
	- Outside	Borosilicate S
4	Lamp	Watercooled 6.5kW xenon lamp
5	Black panel temperature	63°C
6	Relative humidity	50%
7	Chamber temperature	42°C

DESCRIPTION OF SAMPLE:

Sample Code	Content
F1	4 pieces of 3mm single skin rubber sheet
F2	4 pieces of 3mm no skin rubber sheet
F3	4 pieces of 3mm single skin rubber sheet
N1	4 pieces of 3mm single skin rubber sheet
N2	4 pieces of 3mm no skin rubber sheet
N3	4 pieces of 3mm single skin rubber sheet
N4	4 pieces of 3mm no skin rubber sheet
N5	4 pieces of 3mm double skin rubber sheet
N6	4 pieces of 3mm single skin rubber sheet
N7	4 pieces of 3mm single skin rubber sheet

RESULTS:

Sample Code	Results (Grey Scale Rating)			Hairline appearance on exposure surface
F1 single skin rubber sheet	4	4	4	No
F2 no skin rubber sheet	4-5	4-5	4-5	-
F3 single skin rubber sheet	4	4	4	Severe
N1 single skin rubber sheet	4	4	4	Severe
N2 no skin rubber sheet	4-5	4-5	4-5	-
N3 single skin rubber sheet	4	4	4	No
N4 no skin rubber sheet	4-5	4-5	4-5	-
N5 double skin rubber sheet	4	4	4	Slight
N6 single skin rubber sheet	4	4	4	Moderate
N7 single skin rubber sheet	4	4	4	Moderate

REMARKS:

- Notes on Colour Change
Grade 5 = No colour change
Grade 4 = Slight Change
Grade 3 = Noticeable Change
Grade 2 = Considerable Change
Grade 1 = Much Change
- F2, N2, N4 rubber sheet exposure surface feels slightly rough after test.
- N1 to N7 and F3 rubber sheet exposure surface have shiny appearance after test.
- F1 rubber sheet exposure surface have no shiny appearance after test.
- Original sample and the samples after exposed were shown in Appendix.



Ho Wan Chong
Associate Engineer



Wong Bee Hui
Product Manager
Mechanical Centre

APPENDIX:

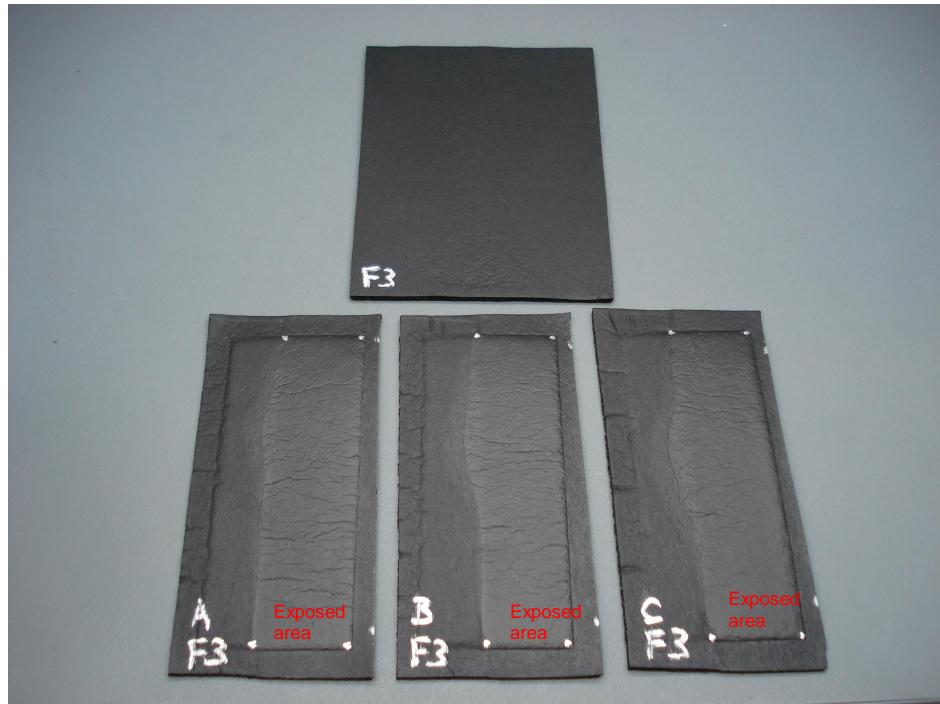


F1 single skin rubber sheet

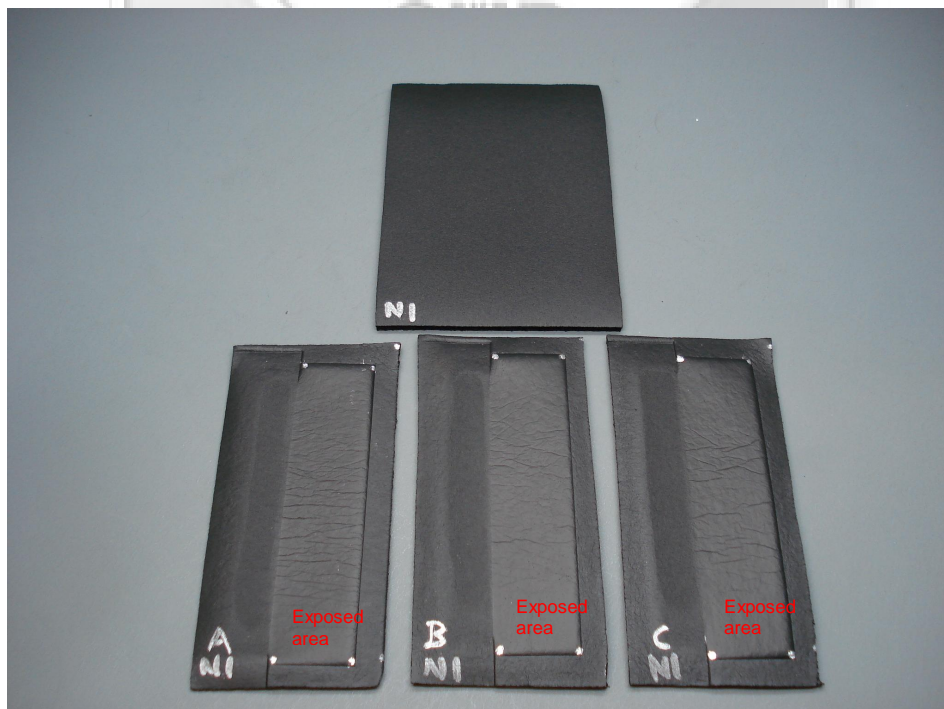


F2 no skin rubber sheet



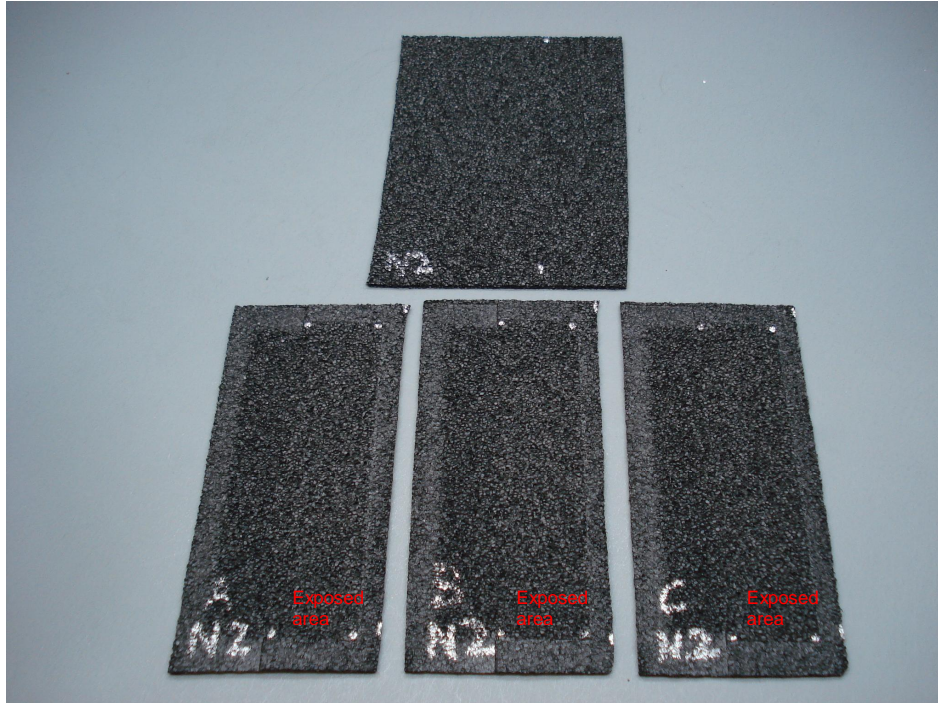


F3 single skin rubber sheet



N1 single skin rubber sheet



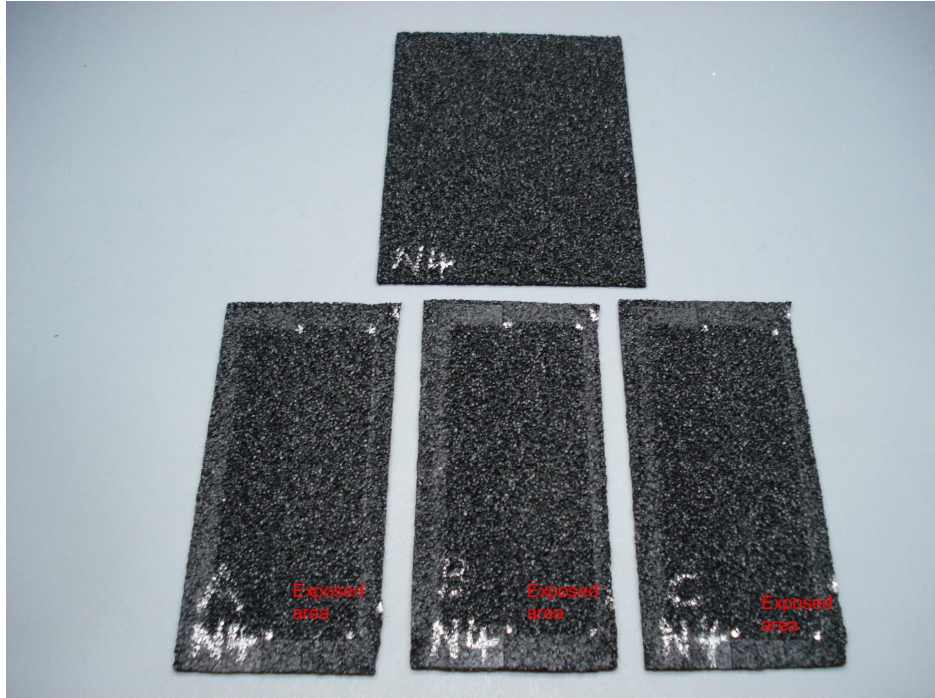


N2 no skin rubber sheet



N3 single skin rubber sheet





N4 no skin rubber sheet



N5 double skin rubber sheet





N6 single skin rubber sheet



N7 single skin rubber sheet



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March 2010