

TEST REPORT

Sample: Screen Printed Ink- Sample A and B
 Extruded EVA- Sample C
 PVC- Sample D and E

<DIN Standard>

Excitation:

- (1) Xe lamp 1000 lx, 5 min.
- (2) D₆₅ 120 lx, 30 min
- (3) D₆₅ 25 lx, 30 min

Excitation : Xe lamp 1000 lx, 5min

Time (min)	Afterglow luminance (mcd/m ²)				
	A	B	C	D	E
1	1300.0	1080.0	1085.0	1383.0	1404.0
5	273.1	229.5	234.6	277.8	281.3
10	133.9	112.9	116.0	132.8	134.6
15	87.3	73.7	76.0	85.2	86.4
20	64.1	54.2	55.9	61.8	62.7
25	50.3	42.6	44.0	48.0	48.7
30	41.2	34.9	36.0	39.0	39.6
35	34.7	29.4	30.4	32.6	33.2
40	29.9	25.3	26.2	27.9	28.4
50	23.3	19.7	20.4	21.5	21.9
60	18.9	16.1	16.6	17.3	17.7
90	11.9	10.1	10.5	10.7	10.9
120	8.5	7.2	7.5	7.5	7.7
140	7.1	6.0	6.2	6.2	6.3

(mcd/m ²)	Time to decrease to 0.3mcd/m ² (min)				
	A	B	C	D	E
0.3	1773	1557	1591	1423	1466

Excitation : D₆₅ 120 lx, 30 min

Time (min)	Afterglow luminance (mcd/m ²)				
	A	B	C	D	E
1	455.9	411.8	233.5	492.1	495.9
5	156.4	137.2	93.2	155.3	156.7
10	88.7	77.2	55.9	85.0	85.8
15	61.8	53.6	40.1	58.0	58.6
20	47.2	40.9	31.2	43.6	44.1
25	38.0	32.9	25.5	34.7	35.1
30	31.7	27.4	21.5	28.6	29.0
35	27.1	23.4	18.5	24.3	24.6
40	23.5	20.4	16.3	21.0	21.2
50	18.6	16.1	13.0	16.4	16.6
60	15.2	13.2	10.7	13.3	13.4
90	9.6	8.3	6.9	8.2	8.3
120	6.9	6.0	5.0	5.8	5.9
140	5.7	5.0	4.2	4.8	4.8

(mcd/m ²)	Time to decrease to 0.3mcd/m ² (min)				
	A	B	C	D	E
0.3	1214	1129	1029	1005	1015

Excitation : D₆₅ 25 lx, 30 min

Time (min)	Afterglow luminance (mcd/m ²)				
	A	B	C	D	E
1	114.1	109.2	46.3	119.5	121.0
5	37.3	35.0	16.6	36.1	36.4
10	21.1	19.7	9.8	19.6	19.8
15	14.8	13.7	7.1	13.4	13.5
20	11.4	10.5	5.5	10.1	10.2
25	9.2	8.5	4.6	8.0	8.1
30	7.7	7.1	3.9	6.6	6.7
35	6.6	6.1	3.4	5.6	5.7
40	5.8	5.3	3.0	4.9	4.9
50	4.6	4.2	2.4	3.8	3.9
60	3.8	3.5	2.0	3.1	3.2
90	2.5	2.2	1.3	2.0	2.0
120	1.8	1.6	1.0	1.4	1.4
140	1.5	1.3	0.85	1.1	1.2

(mcd/m ²)	Time to decrease to 0.3mcd/m ² (min)				
	A	B	C	D	E
0.3	522	475	355	394	398

Fig. Afterglow Luminance of LumiNova incorporated samples

Excitation: Xe lamp 1000 lx, 5min.

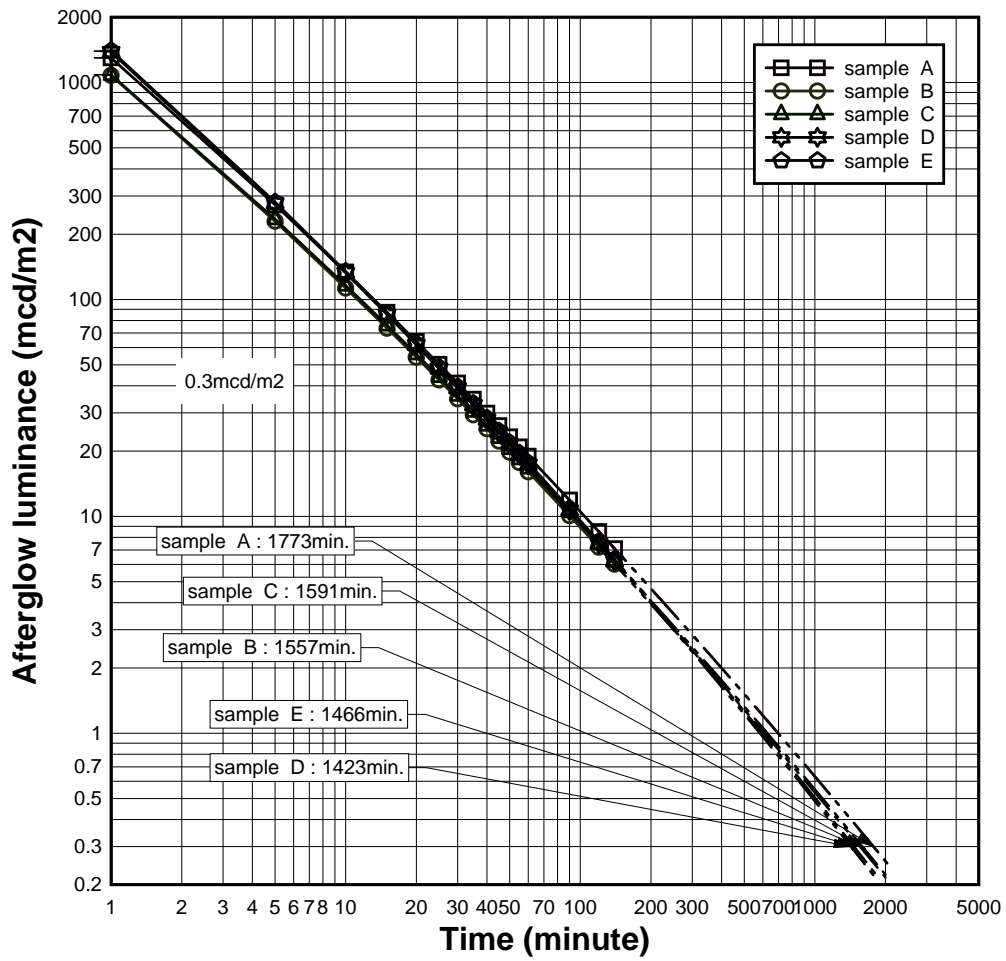


Fig. Afterglow Luminance of LumiNova incorporated samples

Excitation: D65 Std. light 120 lx, 30min.

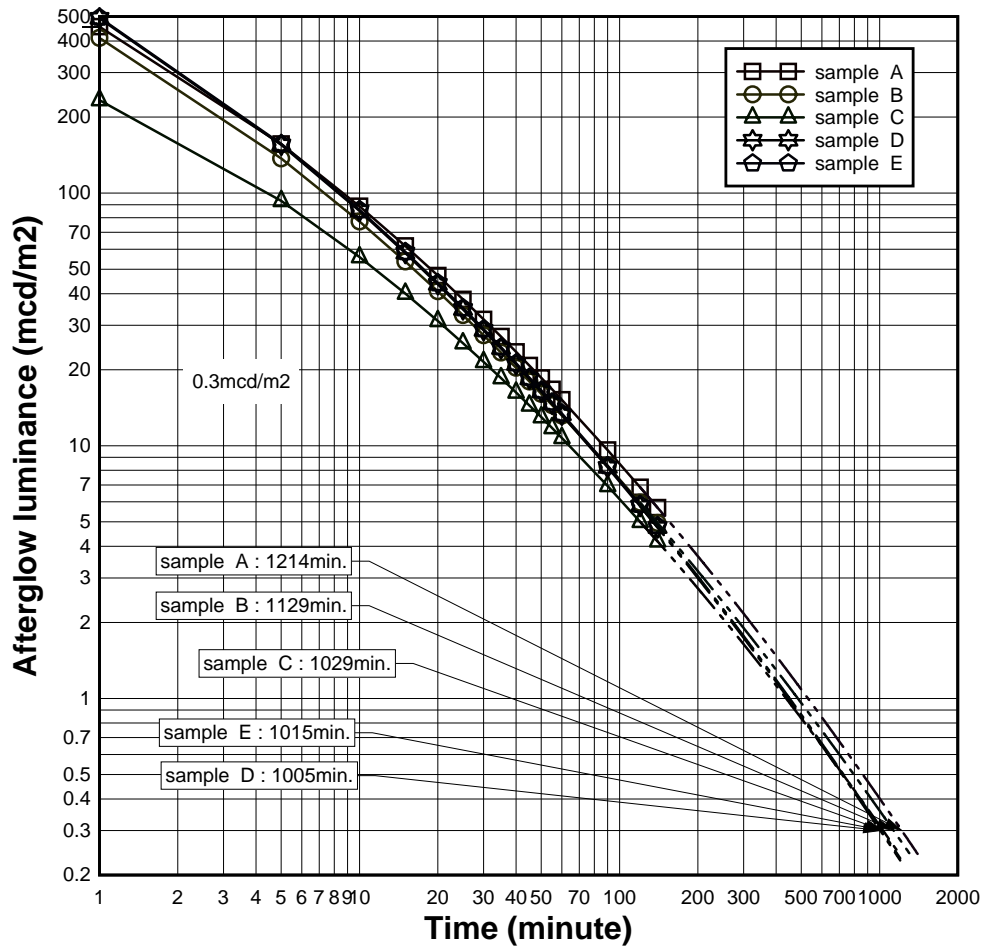


Fig. Afterglow Luminance of LumiNova incorporated samples
 Excitation: D65 Std. light 25 lx, 30min.

