



香 港 標 準 及 檢 定 中 心

Hong Kong Standards and Testing Centre

Date : 2002-06-19

TEST REPORT

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NO: HC115657

APPLICANT: (Code: CHT011)

Chung Tai Roller Shutters Co Ltd
Unit 15 2/F Kin Fat Industrial Centre
13 Kin Fat St
Tuen Mun NT HK

Attn: Mr Gabriel Wong

DESCRIPTION OF SAMPLE(S):

One submitted sample said to be Polycarbonate Roller Shutter Salt Member.
Country of Origin: Hong Kong

SAMPLE(S) RECEIVED DATE:

2002-05-23

TESTED DATE:

2002-05-30 to 2002-06-12

INVESTIGATION(S) REQUESTED:

1. Identification of Plastic
2. Deformation test at 40°C and 60°C
3. Resistance to artificial daylight
4. Flammability

METHOD(S) USED:

1. Fourier Transform Infrared Spectrophotometry – Diffuse Reflectant Technique
2. The submitted sample was stored at 40°C and 60°C conditioning chamber separately for 24 hours Observation was made after the test.
3. Exposure of plastic to laboratory light source by Xenon-Arc-Lamp based on BS2782: Part 5: Method 540E: 1995
4. UL 94 Vertical Burning Test (V0 or V2)

Anne Chuah, C.
For Chief Executive

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TEST RESULT(S):

1. Identification of plastic:
Based on the IR spectrum, the submitted sample was principally made of Polycarbonate (PC).

2. Deformation at 40°C, 60°C

Condition Temperature	40°C	60°C
Color	No observable change	No observable change
Texture	No observable change	No observable change
Appearance	No observable change	No observable change

3. Resistance to artificial daylight - After exposure stage 7/3 was reached by Xenon-arc-lamp:

Sample(s)	Color change
Plastic specimen	4-5*

* Refer to the following table

Colorfastness Rating	Color Change
5	negligible or no change
4	slightly changed
3	noticeably changed
2	considerably changed
1	much changed

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4. Flammability test (UL 94, Vertical Burning Test):

Specimen No.	Afterflame time after first flame application, t1 (second)	Afterflame time after second flame application, t2 (second)	Afterflame time after third flame application, t3 (second)	Burned up to holding clamp (Y/N)	Dripped flaming material ignited the cotton (Y/N)
1	3.0	7.0	0	N	N
2	3.0	3.8	0	N	N
3	4.5	7.7	0	N	N
4	2.4	3.6	0	N	N
5	2.4	9.1	0	N	N
Average	3.1	6.2	0	N	N

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