

检测报告
Test Report

报告编号 A222018327830301E

第 1 页 共 9 页

Report No. A222018327830301E

Page 1 of 9

报告抬头公司 安徽索创塑胶科技有限公司

Company Name SOCO PLASTIC TECHNOLOGY(ANHUI)CO.,LTD

地 址 合肥市新站区瑶海工业园鹏邦制衣3号厂房

Address NO. 3 WORKSHOP OF PENG BANG GARMENT MAKING,
YAO HAI INDUSTRIAL PARK,
DISTRICT, XINZHAN CITY, HEFEI PROVINCE CHINA

以下测试之样品及样品信息由申请者提供并确认

The following sample(s) and sample information was/were submitted and identified by/on the
behalf of the client

样品名称	聚碳酸酯薄膜
Sample Name	聚碳酸酯薄膜
型号	TS-FR370DL
Type	TS-FR370DL
材质	PC
Material	PC
样品接收日期	2022.05.13
Sample Received Date	May 13, 2022
样品检测日期	2022.05.13-2022.06.01
Testing Period	May 13, 2022-Jun. 1, 2022

批 准
Approved by

林东杰

日 期
Date2022.07.05
Jul. 5, 2022授权签字人
Approved Signatory

华测检测认证集团股份有限公司

No. RB73765669

广东省深圳市宝安区 70 区鸿威工业园

检测报告
Test Report

报告编号 A222018327830301E
Report No. A222018327830301E

第 2 页 共 9 页
Page 2 of 9

检测要求

Test Requested

序号 No.	测试项目 Test Item
1	燃烧性（垂直燃烧） Flammability (Vertical burning)

检测结果：请参见后续页面。

Test Result(s): Please see the following pages.

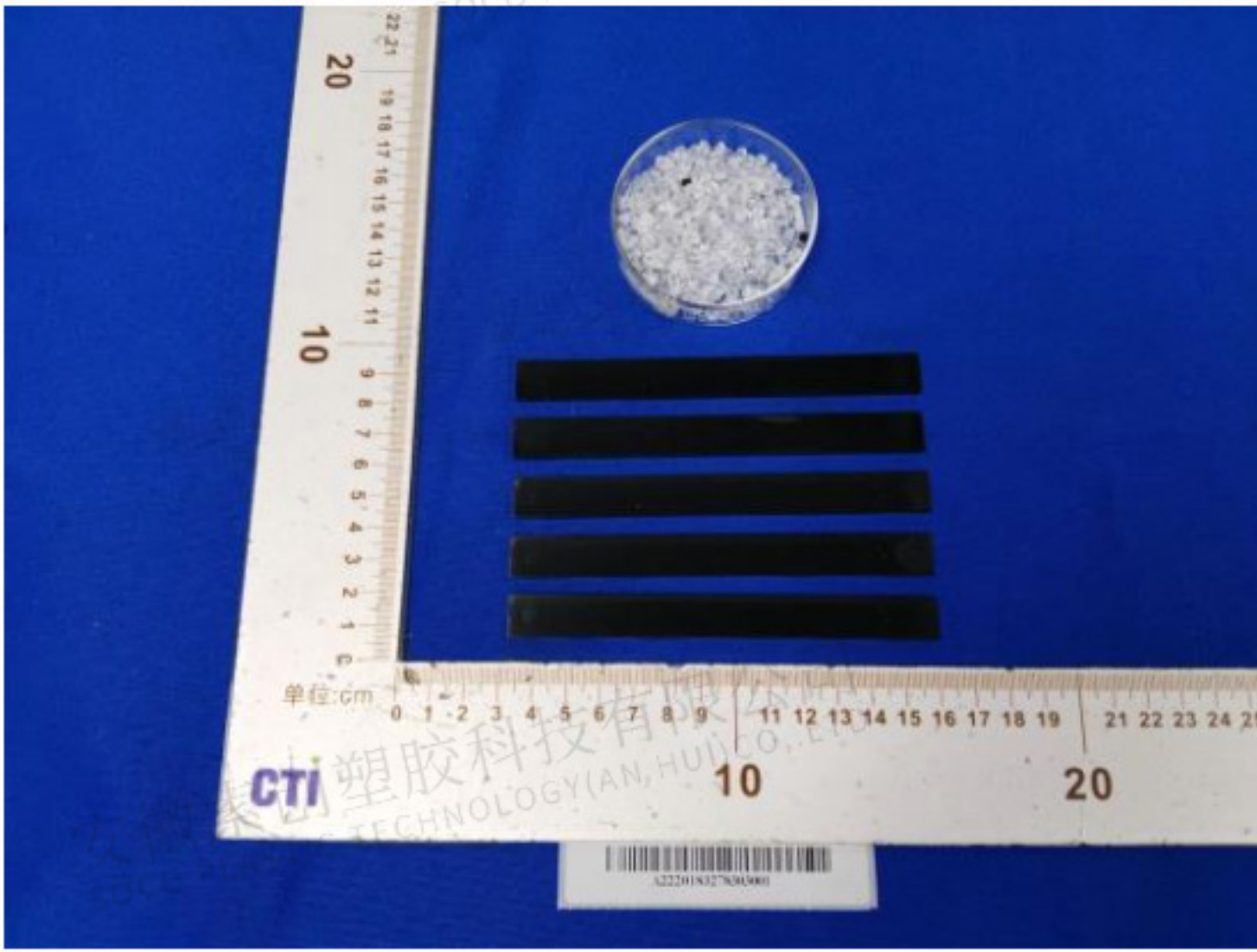
测试样品

Tested Sample(s)

样品编号 Sample No.	样品名称 Sample Name	样品型号 Type	材质 Material
A2220183278303001	聚碳酸酯薄膜 聚碳酸酯薄膜	TS-FR370DL TS-FR370DL	PC PC

样品图片

Sample Photo(s)



A2220183278303001

检测报告
Test Report

报告编号 A222018327830301E

第 3 页 共 9 页

Report No. A222018327830301E

Page 3 of 9

测试项目：燃烧性（垂直燃烧）

Test Item: Flammability (Vertical burning)

1. 测试设备 Test Equipment

设备名称 Equipment Name	型 号 Model
水平垂直燃烧试验仪 Horizontal - vertical Flammability Test Instrument	RH-6033B
高温试验箱 High temperature test chamber	PHH201

2. 环境条件 Environmental Conditions

温度: $23\pm 2^{\circ}\text{C}$; 湿度: $50\pm 5\%\text{RH}$ Temperature: $23\pm 2^{\circ}\text{C}$; Humidity: $50\pm 5\%\text{RH}$

3. 测试标准 Test Standard: UL 94-2021

4. 测试条件 Test Condition

预处理:

①在 $23\pm 2^{\circ}\text{C}$, $50\pm 10\%\text{RH}$ 环境条件放置 48h;② 70°C 老化 168h, 然后在干燥器中放置至少 4h 冷却至室温。测试步骤: 火焰高度 $20\pm 1\text{ mm}$, 本生灯置于样品下方正中心位置, 本生灯管口距样品底端 $10\pm 1\text{ mm}$, 点火时间为 $10\pm 0.5\text{ s}$, 点火 $10\pm 0.5\text{ s}$ 后以 300 mm/sec 的速度移开本生灯至少 150 mm , 同时开始记录余焰时间 t_1 , 余焰停止时应立即点燃 $10\pm 0.5\text{ s}$, 点火 $10\pm 0.5\text{ s}$ 后以 300 mm/sec 的速度移开本生灯至少 150 mm , 同时记录余焰时间 t_2 和余燃时间 t_3 。样品尺寸: $129\text{ mm}\times 12.8\text{ mm}\times 3.3\text{ mm}$

检测报告 Test Report

报告编号 A222018327830301E

第 4 页 共 9 页

Report No. A222018327830301E

Page 4 of 9

Preconditioning:

①Condition in environment of $23\pm 2^{\circ}\text{C}$ and humidity of $50\pm 10\%$ RH for 48h

②Condition in a 70°C oven for 168h, then a calcium chloride desiccators for at least 4h to cool to room temperature.

Test Procedure: Flame height: $20\pm 1\text{ mm}$. Apply the flame centrally to the middle point of the specimen bottom edge so that the top of the burner is $10\pm 1\text{ mm}$ below the lower end of the specimen, and maintain it at that distance for $10\pm 0.5\text{ s}$. After the application for $10\pm 0.5\text{ s}$, immediately withdraw the burner at a rate of 300 mm/sec , to a distance at least 150 mm away from the specimen and measure the after flame time t_1 . As soon as after flaming of the specimen ceases, immediately place the burner again under the specimen for an additional $10\pm 0.5\text{ s}$. After that, immediately remove the burner at a rate of 300 mm/sec to a distance of at least 150 mm from the specimen and measure the after flame time t_2 and the afterglow time t_3 .

Sample size: $129\text{ mm}\times 12.8\text{ mm}\times 3.3\text{ mm}$

检测报告
Test Report

报告编号 A222018327830301E

第 5 页 共 9 页

Report No. A222018327830301E

Page 5 of 9

5. 测试结果 Test Result(s)

评判标准:

判定条件	V-0	V-1	V-2
每个独立的样品燃烧持续的时间 t_1 和 t_2	$\leq 10s$	$\leq 30s$	$\leq 30s$
对任意处理组的五个样品的总的燃烧持续时间(t_1+t_2)	$\leq 50s$	$\leq 250s$	$\leq 250s$
在第二次火焰施加后, 每个独立的样品燃烧持续时间和灼热燃烧时间(t_2+t_3)	$\leq 30s$	$\leq 60s$	$\leq 60s$
任一样品持续燃烧和灼热燃烧是否到夹持样品的夹子处	否	否	否
燃烧颗粒或滴落物是否引燃脱脂棉	否	否	是

Test Criteria:

Criteria conditions	V-0	V-1	V-2
Afterflame time for each individual specimen t_1 and t_2	$\leq 10s$	$\leq 30s$	$\leq 30s$
Total afterflame time for any condition set (t_1 plus t_2 for the 5 specimens)	$\leq 50s$	$\leq 250s$	$\leq 250s$
Afterflame plus afterglow time for each individual specimen after the second flame application(t_2+t_3)	$\leq 30s$	$\leq 60s$	$\leq 60s$
Afterflame or afterglow of any specimen up to the holding clamp	No	No	No
Cotton indicator ignited by flaming particles or drops	No	No	Yes

检测报告
Test Report

报告编号 A222018327830301E

第 6 页 共 9 页

Report No. A222018327830301E

Page 6 of 9

常温测试结果:

判定条件	1	2	3	4	5	V-0
每个独立的样品燃烧持续的时间 t_1 和 t_2	1/6s	1/5s	1/3s	1/5s	1/4s	$\leq 10s$
对任意处理组的五个样品的总的燃烧持续时间(t_1+t_2)	28s					$\leq 50s$
在第二次火焰施加后, 每个独立的样品燃烧持续时间和灼热燃烧时间(t_2+t_3)	6s	5s	3s	5s	4s	$\leq 30s$
任一样品持续燃烧和灼热燃烧是否到夹持样品的夹子处	否	否	否	否	否	否
燃烧颗粒或滴落物是否引燃脱脂棉	否	否	否	否	否	否

老化后测试结果:

判定条件	1	2	3	4	5	V-0
每个独立的样品燃烧持续的时间 t_1 和 t_2	0/4s	1/3s	1/6s	1/2s	0/3s	$\leq 10s$
对任意处理组的五个样品的总的燃烧持续时间(t_1+t_2)	21s					$\leq 50s$
在第二次火焰施加后, 每个独立的样品燃烧持续时间和灼热燃烧时间(t_2+t_3)	4s	3s	6s	2s	3s	$\leq 30s$
任一样品持续燃烧和灼热燃烧是否到夹持样品的夹子处	否	否	否	否	否	否
燃烧颗粒或滴落物是否引燃脱脂棉	否	否	否	否	否	否

结论: 此样品测试结果符合 UL 94-2021 V-0 的要求。

备注: t_1 , t_2 为余焰时间, t_3 为余燃时间。

检测报告

Test Report

报告编号 A222018327830301E

第 7 页 共 9 页

Report No. A222018327830301E

Page 7 of 9

Room temperature test results:

Criteria conditions	1	2	3	4	5	V-0
Afterflame time for each individual specimen t_1 and t_2	1/6s	1/5s	1/3s	1/5s	1/4s	$\leq 10s$
Total afterflame time for any condition set(t_1 plus t_2 for the 5 specimens)	28s					$\leq 50s$
Afterflame plus afterglow time for each individual specimen after the second flame application(t_2+t_3)	6s	5s	3s	5s	4s	$\leq 30s$
Afterflame or afterglow of any specimen up to the holding clamp	No	No	No	No	No	No
Cotton indicator ignited by flaming particles or drops	No	No	No	No	No	No

After aging test results:

Criteria conditions	1	2	3	4	5	V-0
Afterflame time for each individual specimen t_1 and t_2	0/4s	1/3s	1/6s	1/2s	0/3s	$\leq 10s$
Total afterflame time for any condition set(t_1 plus t_2 for the 5 specimens)	21s					$\leq 50s$
Afterflame plus afterglow time for each individual specimen after the second flame application(t_2+t_3)	4s	3s	6s	2s	3s	$\leq 30s$
Afterflame or afterglow of any specimen up to the holding clamp	No	No	No	No	No	No
Cotton indicator ignited by flaming particles or drops	No	No	No	No	No	No

Conclusion: This sample test results comply with the requirements of UL 94-2021 V-0.**Remark:** t_1 , t_2 are the afterflame time, t_3 is the afterglow time.

检测报告 Test Report

报告编号 A222018327830301E

第 8 页 共 9 页

Report No. A222018327830301E

Page 8 of 9

备注：本报告的测试结果引自于报告 A2220183278303E。

Remark: The test result(s) is(are) presented in reference to the result(s) that reported in A2220183278303E.

*** 报告结束 ***

*** End of Report ***

声明：

Statement:

1. 检测报告无批准人签字、“专用章”及报告骑缝章无效；

This report is considered invalid without approved signature, special seal and the seal on the perforation;

2. 样品及样品信息由申请者提供，申请者应对其真实性负责，CTI 未核实其真实性；

The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which CTI hasn't verified;

3. 本报告检测结果仅对受测样品负责；

The result(s) shown in this report refer(s) only to the sample(s) tested;

4. 未经 CTI 书面同意，不得部分复制本报告。

Without written approval of CTI, this report can't be reproduced except in full;

5. 如检测报告中的英文内容与中文内容有差异，以中文为准。

In case of any discrepancy between the English version and Chinese version of the testing reports(if generated), the Chinese version shall prevail.

检测报告 Test Report

报告编号 A222018327830301E

Report No. A222018327830301E

第 9 页 共 9 页

Page 9 of 9

附录 Appendix

客户参考信息

CL8811、TS-FR360H、TS-FR383H

Client Reference Information

CL8811、TS-FR360H、TS-FR383H

声明 Statement:

附录内容由申请者提供，申请者应对其真实性负责，CTI 未核实其真实性。

The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.