

测试报告

编号 : NBIN2004003587PS_CN

日期 : 2020-04-23

页码 : 1 of 13

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NBIN2004003587PS

客户名称: 苏州钱昇塑业有限公司
客户地址: 苏州相城区黄埭镇东桥警民路8号

样品名称 : PC板

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收样日期 : 2020-04-15
测试开始时间 : 2020-04-15
测试结束时间 : 2020-04-23
测试结果 : 请见下页(除另有特别说明外, 此报告结果仅对测试样品负责)

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余晔 授权签字人



测试报告

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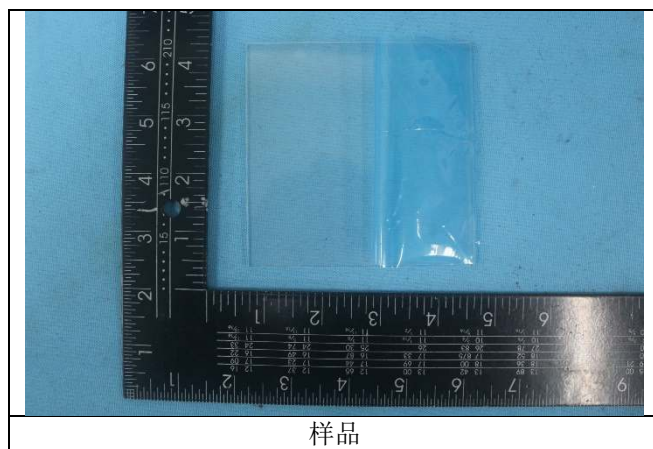
页码 : 2 of 13

结果总结:

序号	测试项目	测试方法	结果	结论	
1	垂直燃烧	UL 94-2013 Rev.9- 2018 第 8 节	V-0	/	
2	简支梁缺口冲击强度	GB/T 1043.1-2008	70kJ/m ² P (部分破坏)	/	
3	负荷变形温度	GB/T 1634.1-2019 & GB/T 1634.2- 2019 方法 A	132℃	/	
4	弯曲测试	GB/T 9341-2008	弯曲强度	105MPa	/
			弯曲模量	2470MPa	
5	邵氏硬度	GB/T 2411-2008	D/15:80	/	

备注: 合格: 达到要求
不合格: 未达到要求
/: 不下判定

原样照片:



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1. 测试项目: 垂直燃烧

样品描述: 塑料件

测试方法: UL 94-2013 Rev.9-2018 第 8 节

试样尺寸: 100mm×13.0mm×1.99mm

测试结果:

处理条件	常态: (23±2)°C, (50±5)%RH, 48h					老化: (70±2)°C, 168h→ 干燥器, (23±2)°C, 4h				
试样	1	2	3	4	5	1	2	3	4	5
第一次施加火焰后余焰时间 (s), t ₁	1.2	0.9	5.1	3.2	1.2	2.9	2.9	1.9	2.1	2.9
第二次施加火焰后余焰时间 (s), t ₂	3.3	2.1	6.2	1.1	8.3	3.6	5.2	1.5	8.4	9.7
第二次施加火焰后余辉时间 (s), t ₃	0	0	0	0	0	0	0	0	0	0
任何状态调节, 总余焰时间 (s), t ₁ +t ₂	32.6					41.1				
第二次施加火焰后余焰时间加余辉 时间 (s), t ₂ +t ₃	3.3	2.1	6.2	1.1	8.3	3.6	5.2	1.5	8.4	9.7
每根试样有焰或无焰燃烧蔓延到夹 具现象	否	否	否	否	否	否	否	否	否	否
滴落物是否引燃脱脂棉	否	否	否	否	否	否	否	否	否	否
等级	V-0									



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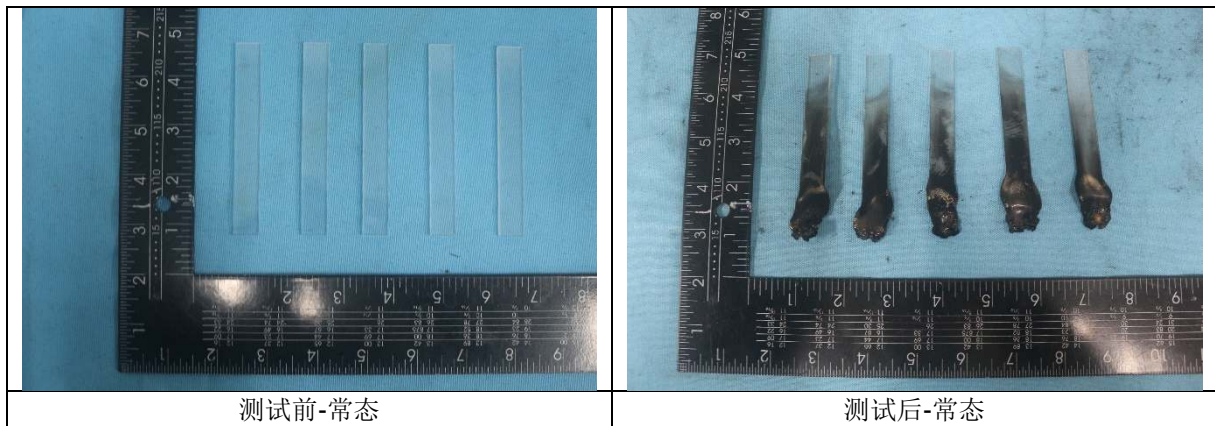
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UL 94-2013 Rev.9-2018 表 8.1

判定条件	V-0	V-1	V-2
每根试样的有焰燃烧时间 t_1 或 t_2	$\leq 10s$	$\leq 30s$	$\leq 30s$
对于任何状态调节, 每组五根试样有焰燃烧时间总和 t_1+t_2	$\leq 50s$	$\leq 250s$	$\leq 250s$
每根试样第二次施焰后的有焰加上无焰燃烧时间 t_2+t_3	$\leq 30s$	$\leq 60s$	$\leq 60s$
每根试样有焰或无焰燃烧蔓延到夹具现象	否	否	否
滴落物引燃脱脂棉现象	否	否	是

注: 测试样从样品中截取。

测试照片:



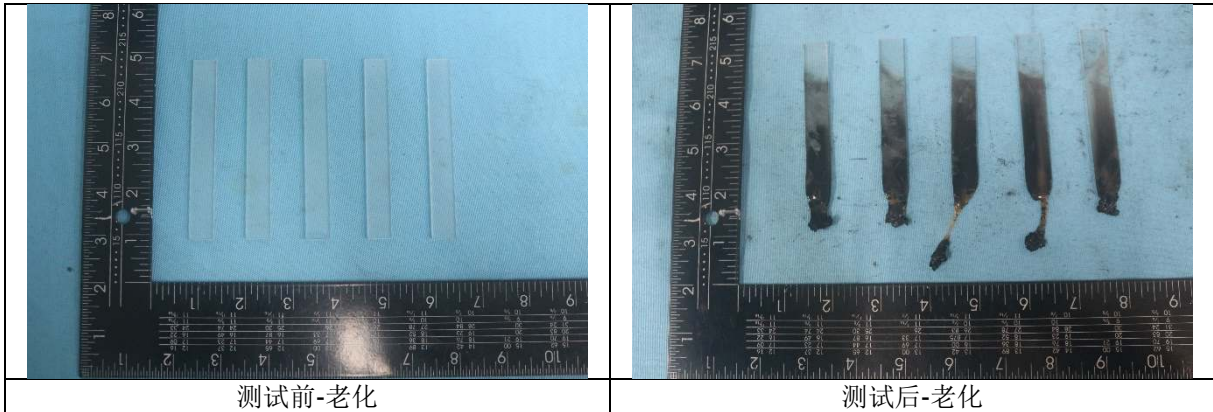
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设备信息:

设备	型号	设备编号	校准日期	下次校准日期
垂直水平燃烧试验仪	HYHVT-3	NBES-159-1	2020-01-14	2021-01-13



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 Ningbo Branch Material Laboratory

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2. 测试项目: 简支梁缺口冲击强度

样品描述: 塑料件

测试方法: GB/T 1043.1-2008

测试条件:

试样: GB/T 1043.1/1eA (缺口制备: 机械加工)

试样厚度: 2.80mm

摆锤能量: 7.5J

冲击速度: 3.8m/s

跨距: 62mm

实验室环境条件: 23±2℃, 50±5%RH

测试结果:

测试项目	测试结果
简支梁缺口冲击强度	70kJ/m ² P (部分破坏)

备注:

- 1.测试试样从样品中截取。
- 2.测试前撕掉试样的保护膜。



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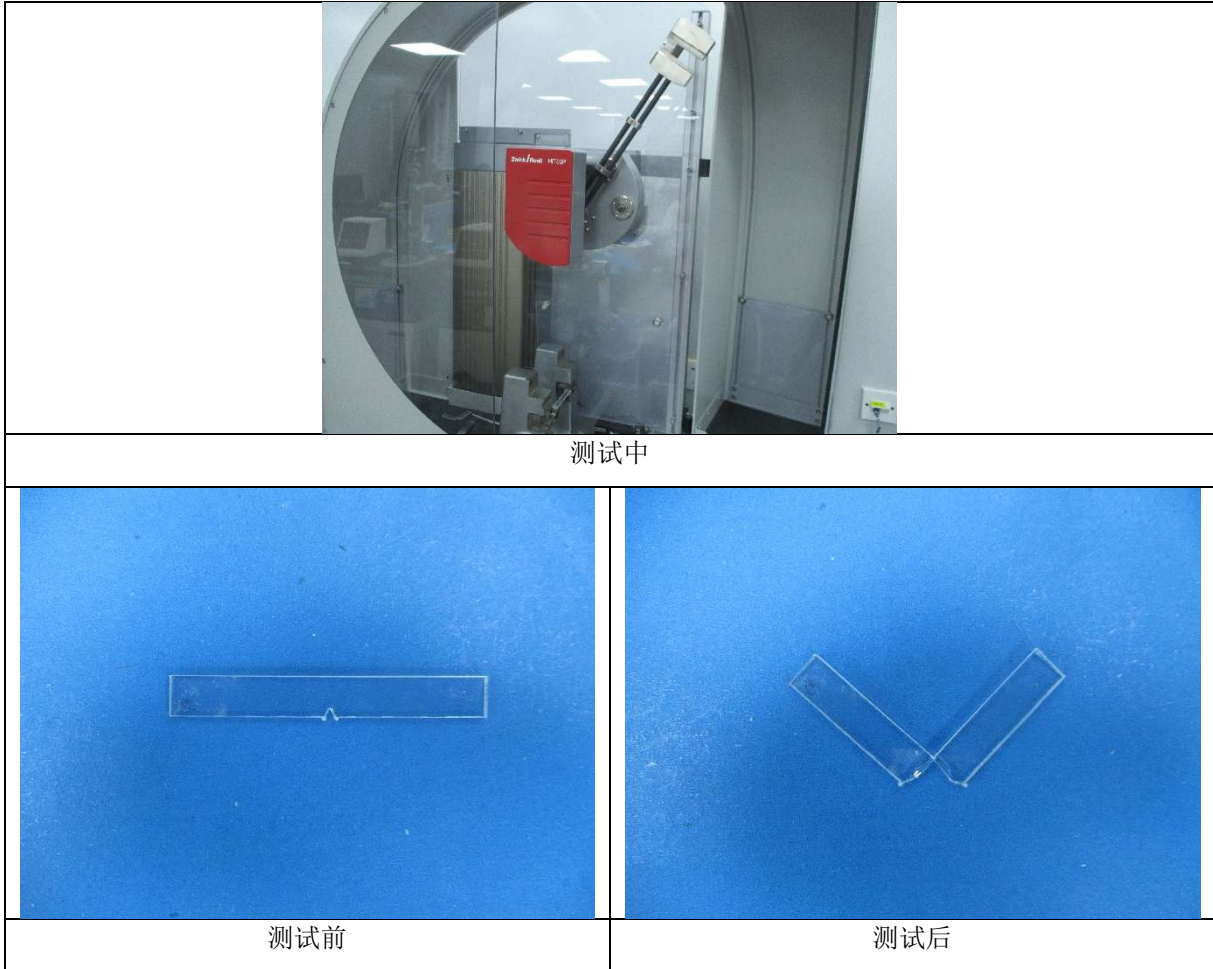
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测试照片:



设备信息:

设备	型号	设备编号	校准日期	下次校准日期
冲击试验仪	HIT50P	GZMR-PL-E283	2019-12-13	2020-12-12



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3. 测试项目: 负荷变形温度

样品描述: 塑料件

测试方法: GB/T 1634.1-2019 & GB/T 1634.2-2019 方法 A

测试条件:

试样: 80mm×10.31mm×2.79mm

传热介质: 硅油

T_f1.8

升温速率: 120°C/h

跨距: 64mm

实验室环境条件: (23±2)°C, (50±5)%RH

测试结果:

测试项目	测试结果
负荷变形温度	132°C

备注:

- 1.测试试样从样品中截取。
- 2.测试前撕掉试样的保护膜。

测试照片:

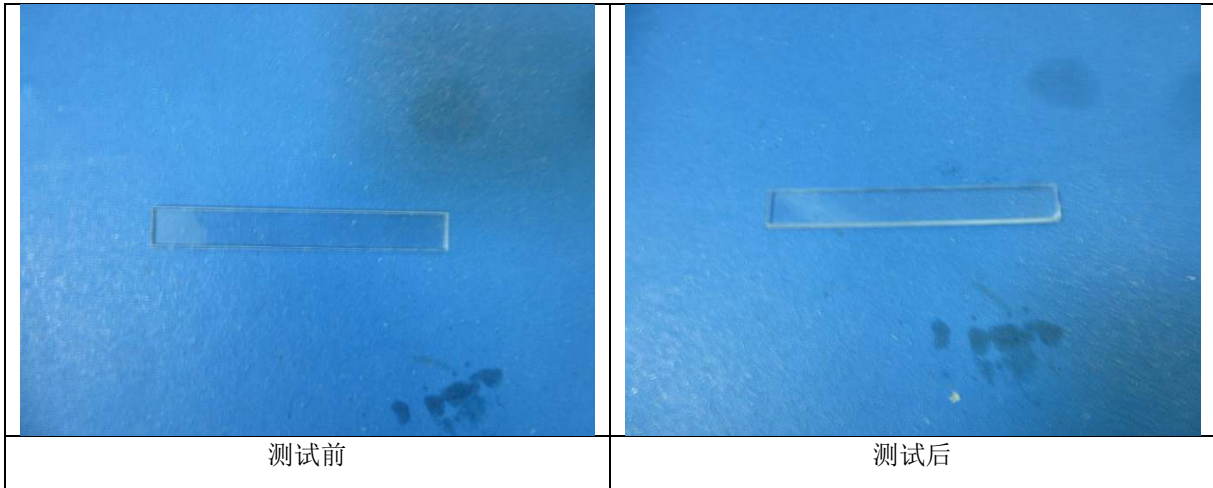


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设备信息:

设备	型号	设备编号	校准日期	下次校准日期
热变形维卡测定仪	6970.000	GZMR-PL-E091	2020-02-26	2021-02-25



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4. 测试项目: 弯曲测试

样品描述: 塑料件

测试方法: GB/T 9341-2008

测试条件:

试样: 60mm×25.21mm×2.80mm

测试速度: 1 mm/min

跨距: 44 mm

实验室环境条件: 23±2°C, 50±5%RH

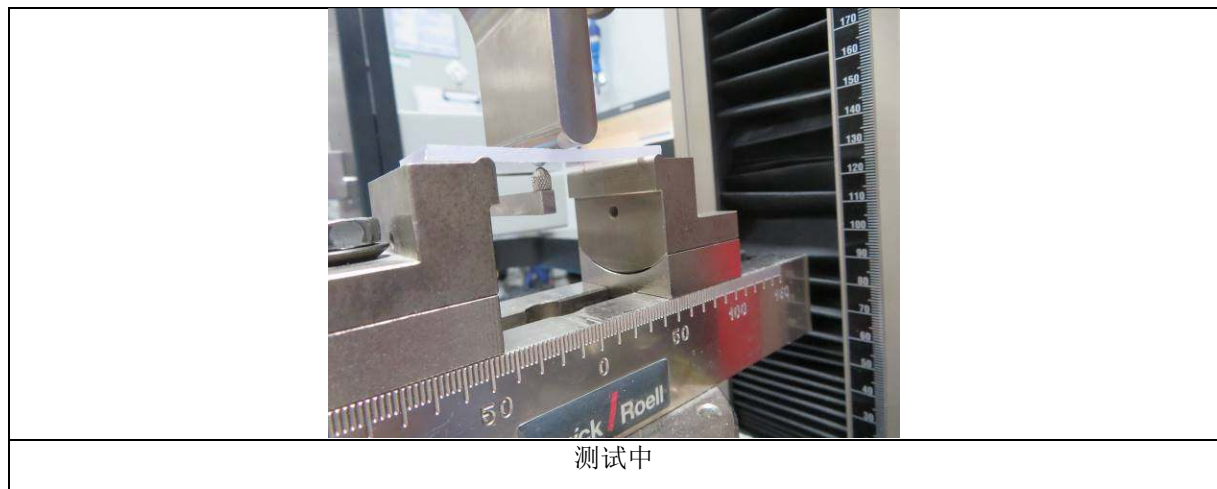
测试结果:

测试项目	测试结果
弯曲强度	105MPa
弯曲模量	2470MPa

备注:

- 1.测试试样从样品中截取。
- 2.测试前撕掉试样的保护膜。

测试照片:



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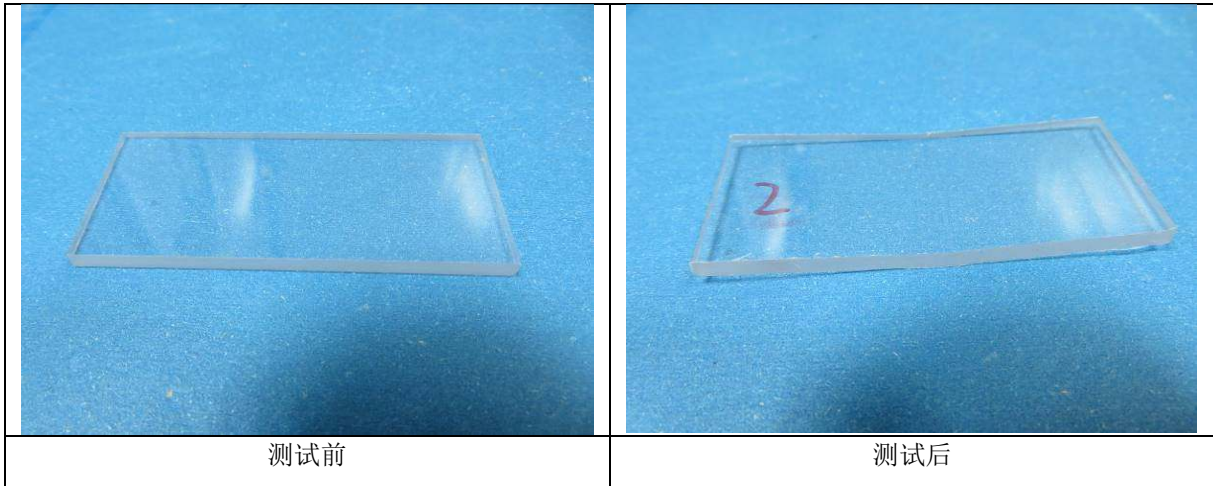
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设备信息:

设备	型号	设备编号	校准日期	下次校准日期
电子万能材料试验机	Z1.0	GZMR-PL-E252	2020-02-26	2021-02-25



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5. 测试项目: 邵氏硬度

样品描述: 塑料件

测试方法: GB/T 2411-2008

测试条件:

试样厚度: 5.68mm (2层叠加)

实验室环境条件: (23±2)°C, (50±5)%RH

测试结果:

测试项目	测试结果
邵氏硬度	D/15:80

备注:

1. D/15:X 是指硬度计的类型是 D 型; 读数时间是 15 s; 硬度值是 X。
2. 测试前撕掉试样的保护膜。
3. 测试试样从样品中裁取。



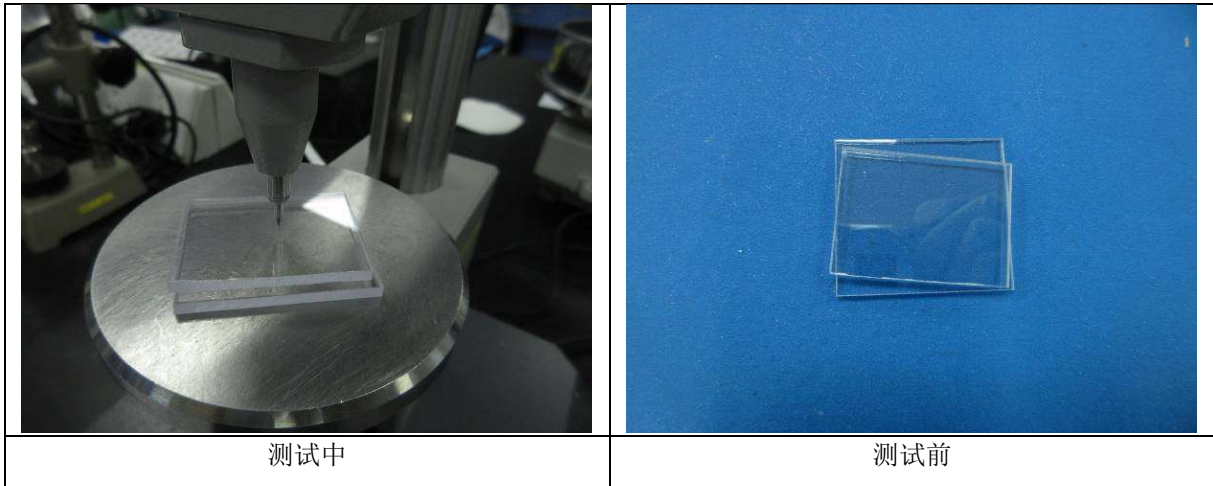
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测试照片：



设备信息：

设备	型号	设备编号	校准日期	下次校准日期
多功能硬度计	Digitest II	GZMR-PL-E156	2019-05-17	2020-05-16

- 第 2 ~5 项测试由 SGS 集团内部其他实验室执行。
- 该检测报告为由 SGS 发布的原检测报告 编号：NBIN2004003587PS，日期：2020-04-23 的中文译本，本报告仅供参考。
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