

编号 : NBIN2004003587PS_CN

日期 : 2020-04-23

页码 : 1 of 13

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

以上信息及样品由客户提供及确认,SGS不承担证实客户提供信息的准确性、适当性和(或)完整性的责任。

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

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结果总结:

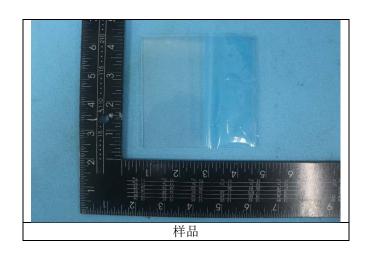
序号	测试项目	测试方法	结果		结论
1	垂直燃烧	UL 94-2013 Rev.9- 2018 第 8 节	V-0		1
2	简支梁缺口冲击强度	GB/T 1043.1-2008	70kJ/m² P (部分破坏)		/
3	负荷变形温度	GB/T 1634.1-2019 & GB/T 1634.2- 2019 方法 A	132 ℃		/
4	弯曲测试	GB/T 9341-2008	弯曲强度 弯曲模量	105MPa 2470MPa	1
5	邵氏硬度	GB/T 2411-2008	D/15:80		/

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	2)℃,		-	老化: (70±2)℃,168h→			
人 人 人 人	(50±5)%RH,48h			干燥器,(23±2)℃,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),			32.6	l			l	41.1		•
t ₁ +t ₂			32.0			71.1				
第二次施加火焰后余焰时间加余辉	3.3	2.1	6.2	1.1	8.3	3.6	5.2	1.5	8.4	9.7
时间 (s),t ₂ +t ₃	0.0	2.1	0.2	1.1	0.5	3.0	5.2	1.5	0.4	3.1
每根试样有焰或无焰燃烧蔓延到夹	否	否	否	否	否	否	否	否	否	否
具现象									Н	
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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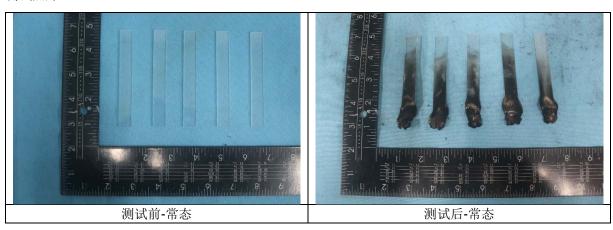
页码 : 4 of 13

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	≤10s	≤30s	≤30s
对于任何状态调节,每组五根试样有焰燃	≤50s	≤250s	≤250s
烧时间总和 t1+t2	\003	~2003	~2000
每根试样第二次施焰后的有焰加上无焰燃	≤30s	≤60s	≤60s
烧时间 t2+t3	₹503	~003	~003
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: 测试样从样品中裁取。

测试照片:





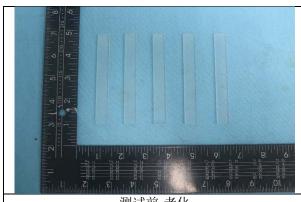
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测试前-老化

测试后-老化

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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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/m² P (部分破坏)

备注:

- 1.测试试样从样品中裁取。
- 2.测试前撕掉试样的保护膜。





编号 : NBIN2004003587PS_CN

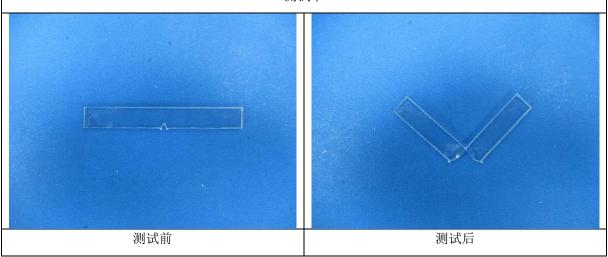
日期 : 2020-04-23

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测试照片:



测试中



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℃/h

跨距: 64mm

实验室环境条件: (23±2)℃, (50±5)%RH

测试结果:

测试项目	测试结果
负荷变形温度	132℃

备注:

- 1.测试试样从样品中裁取。
- 2.测试前撕掉试样的保护膜。

测试照片:





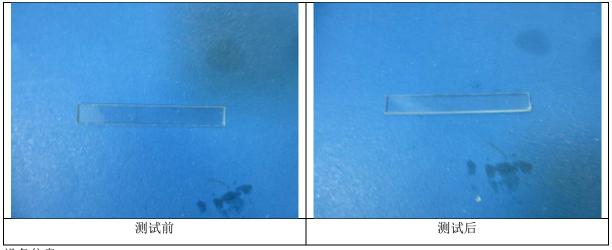
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设备信息:

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℃, 50±5%RH

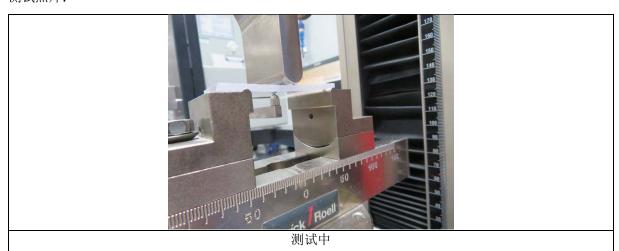
测试结果:

测试项目	测试结果
弯曲强度	105MPa
弯曲模量	2470MPa

备注:

- 1.测试试样从样品中裁取。
- 2.测试前撕掉试样的保护膜。

测试照片:





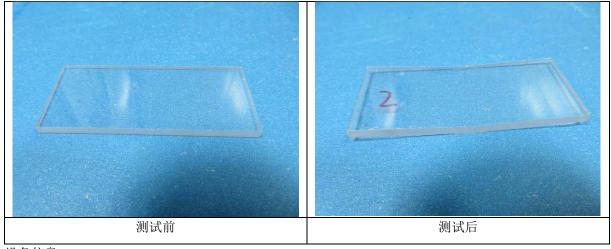
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设备	型号	设备编号	校准日期	下次校准日期
电子万能材料试 验机	Z1.0	GZMR-PL-E252	2020-02-26	2021-02-25



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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)℃, (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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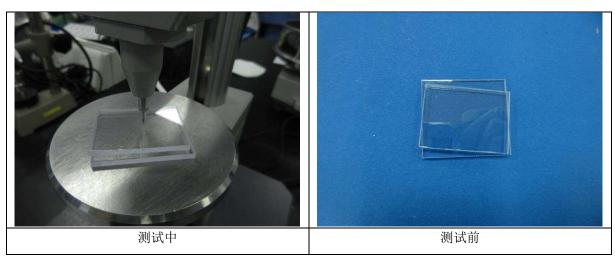


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测试照片:



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。
- 在中华人民共和国境内,报告若未加盖 CMA 章,表示本检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的,仅供内部参考。

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