

检测报告

编号 : SHMR250902159601_CN

日期 : 2025-09-30

页码 : 1 of 9



客户名称: 河北川泰新材料科技有限公司
客户地址: 河北省邢台市威县常庄镇牛家寨村创业街 6 号

样品名称 : 防火套管
制造商 : 河北川泰新材料科技有限公司

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。

SGS 参考号 : SHP25-028349
收样日期 : 2025-09-17
测试开始时间 : 2025-09-17
测试结束时间 : 2025-09-30
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)

通标标准技术服务(上海)有限公司
授权签名

谈晓颖

谈晓颖

授权签字人



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结果总结：

序号	测试项目	测试方法	结果	结论
1	50W (20mm) 垂直燃烧	UL 94-2023 Rev.2-2024 第 8 节	等级：V-1	/
2	击穿电压	GB/T 1408.1-2016	20.80 kV	/

备注：合格：达到要求
不合格：未达到要求
/：不下判定



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1. 测试项目: 50W (20mm) 垂直燃烧
样品描述: A-红色试样
测试方法: UL 94-2023 Rev.2-2024 第 8 节
测试条件:
 试样: 124 mm × 12.92 mm × 3.551 mm
测试结果:
样品 A

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	7.8	4.0	2.2	3.5	3.8	0	5.3	1.8	3.4	4.9
第二次施加火焰后余焰时间 (s), t ₂	0	18.4	16.2	13.8	0	0	0	0	0	0
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	69.7					15.4				
第二次施加火焰后余焰时间加余辉时间 (s), t ₂ +t ₃	0	18.4	16.2	13.8	0	0	0	0	0	0
试样余焰或余辉是否蔓延到夹具	否	否	否	否	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	否	否	否	否



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等级: V-1 (见表 1)

表 1:

判定条件	V-0	V-1	V-2
单个试样余焰时间, t_1 和 t_2	$\leq 10s$	$\leq 30s$	$\leq 30s$
任何状态调节, 总余焰时间(5 个试样的 t_1+t_2)	$\leq 50s$	$\leq 250s$	$\leq 250s$
第二次施加火焰后单个试样余焰时间加余辉时间(t_2+t_3)	$\leq 30s$	$\leq 60s$	$\leq 60s$
任一试样余焰或余辉是否蔓延到夹具	否	否	否
燃烧颗粒或滴落物是否引燃脱脂棉	否	否	是

备注: 测试试样从样品中截取。



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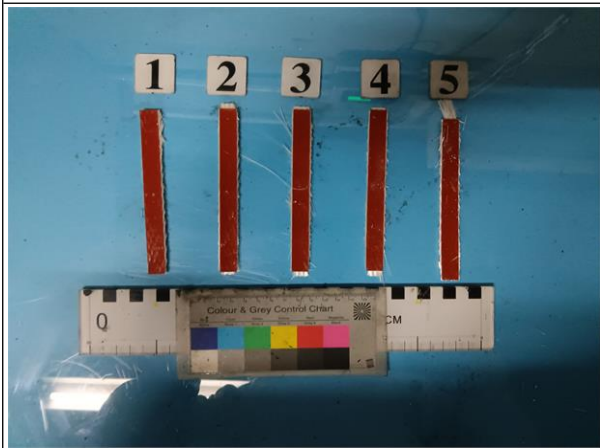
测试照片:



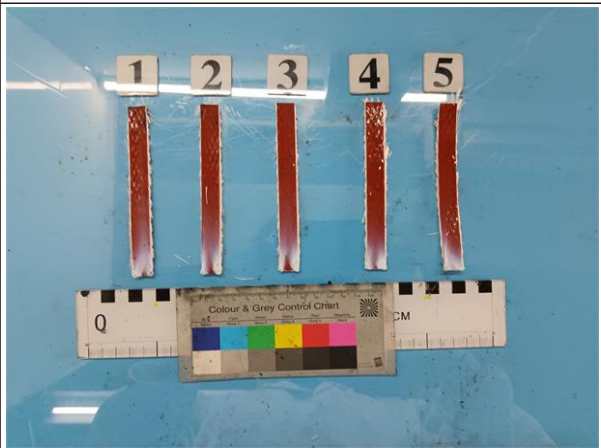
原样-样品 A



测试前-样品 A-老化后



测试前-样品 A-常态



测试后-样品 A-常态



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测试后-样品 A-老化后

设备信息:

设备	型号	设备编号	校准日期	下次校准日期
烘箱	FED720	P-215	2025-04-25	2026-04-24
水平垂直燃烧仪	HVUL2	P-596	2025-04-27	2026-04-26



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2. 测试项目: 击穿电压

样品描述: A-红色试样

测试方法: GB/T 1408.1-2016

测试条件:

预处理条件: (23±2) °C, (50±5) %RH, 24 h

周围媒质: (23±2) °C变压器油

测试电极: 等直径电极(上下电极 Φ25 mm)

电压类型: 交流 50 Hz

升压方式: 快速升压, 2000V/s

实验室环境条件: (23 ± 2) °C, (50 ± 5) %RH

测试结果:

样品 A

试样	厚度, mm	击穿电压, kV
1	2.75	20.80
2	2.87	21.60
3	2.93	19.80
4	2.88	18.90
5	2.83	21.30
中值	/	20.80

备注: 测试试样从样品中截取。



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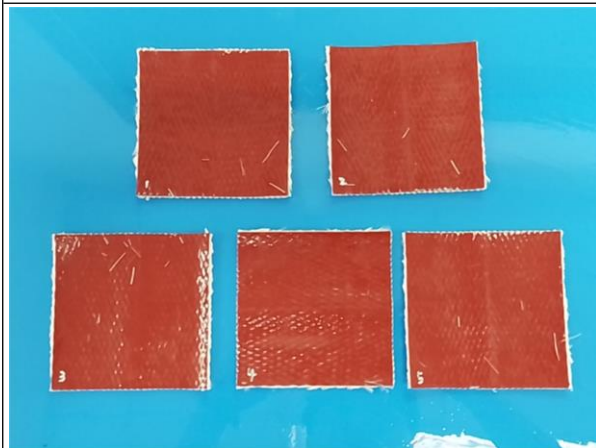
页码 : 8 of 9

测试照片:

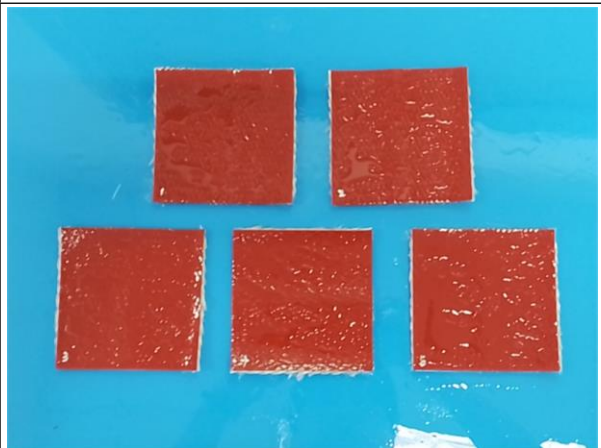


原样-样品 A

/



测试前-样品 A



测试后-样品 A



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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
交直流高压试验机	JTKZ-1	P-207	2024-10-22	2025-10-21
数显卡尺	0-150mm/0.01mm	P-698	2025-02-14	2026-02-13

附录信息:

*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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