

测试报告

编号 : SP110402089

日期 : 2011-05-17

页码 : 1 of 6

浙江明士达经编涂层有限公司

浙江海宁经编产业园区江旗大道 11 号

下列样品由客户提供及确认:

样品名称 : 白色 PVC 夹网布 (蓬布)
样品编号 : SP110402089
产品规格 : 0.43mm
测试要求 : 测试根据 DIN 4102-1 (1998 年 5 月) 建筑材料燃烧性能分级 - 第 1 部分: 建筑材料和
部件防火性能分级、要求和测试方法评估材料的燃烧性能
收样日期 : 2011-04-26
测试周期 : 2011-04-26/2011-05-16
测试结果 : 请见下页

***** 待续*****

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有限公司授权签名

海霞 授权签字人

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I. 测试方法

测试根据 DIN 4102-15:1990, DIN 4102-16:1998 和 DIN 4102-1:1998 第 6.2 条进行, 分级根据 DIN 4102-1 (5 月 1998) C 第 6.1- B1 级材料

II. 样品信息

名称	PVC
颜色 / 密度	白色 / 463g/m ²
样品尺寸	1000 mm×190 mm & 190 mm×90 mm

预处理

测试前, 样品在温度 23 ± 2 °C 相对湿度 50 ± 6 % 恒温恒湿的条件下, 调节至少 14 天。

III. 测试结果

1) 根据 DIN 4102-15 & 16 难燃性测试

方向: 纵向 & 横向, 测试面: 正前面

难燃性结果 (第 1 部分)			
项目	单位	测试次数	
		纵向	横向
1 根据 DIN 4102 part 15 样品固定方式	-	1	1
2 最大火焰高度;	cm	40	33
3 时间 ¹⁾	min:s	0:52	0:57
4 熔化/烧穿 时间 ¹⁾	min:s	0:09	0:11
5 着火/阴燃 时间 ¹⁾	min:s	0:10	0:12
6 变色, 时间 ¹⁾	min:s	0:08	0:10
7 燃烧熔滴 开始时间 ¹⁾	min:s	否	否
8 程度		/	/
9 样品间断的滴落		/	/
10 样品连续滴落		/	/

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难燃性结果 (第 2 部分)

项目	单位	测试次数	
		纵向	横向
10 燃烧样品碎片 开始 ¹⁾	min:s	否 /	否 /
11 碎片间断的掉落		/	/
12 碎片连续的掉落		/	/
13 碎片掉落后续燃烧的时间	min:s	否	否
14 燃烧火焰被滴落物/碎片 覆盖 时间 ¹⁾	min:s	否 /	否 /
提前结束测试		/	/
15 样品燃烧结束时间 ¹⁾	min:s	/	/
16 测试结束的时间 ¹⁾	min:s	/	/
17 测试结束后是否续燃 时间	min:s	否 /	否 /
18 样品数量		/	/
19 样品前面		/	/
20 样品背面		/	/
21 火焰高度		/	/
22 测试结束后是否阴燃 时间	min:s	否 /	否 /
23 样品数量		/	/
24 样品前面		/	/
25 样品背面		/	/
26 样品上半部分		/	/
27 样品下半部分		/	/

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难燃性结果 (第 3 部分)

项目	单位	测试次数			
		纵向		横向	
	剩余长度	/		/	
28	单个结果	68	70	70	72
29	平均值	69	71	72	71
	cm	69		71	
	cm	69		71	
	烟气温度	/		/	
30	最大值	158		156	
31	时间 ¹⁾	10:00		10:00	
	min:s	10:00		10:00	

2. 注释: ¹⁾ 时间从测试开始算起

2) 根据 DIN 4102-1 第 6.2 章节可燃性测试

施加火焰方式: [☒] 边缘点火, [☐] 表面点火[☒] 纵向

样品编号	1	2	3	4	5
20 秒内火焰前端是否到达标记线	否	否	否	否	否
火焰熄灭时间 (s)	15	15	15	15	15
最大火焰高度 Max. flame height (cm)	4	3	4	3	4
续燃时间(s)	15	15	15	15	15
阴燃时间(s)	15	15	15	15	15
是否有滴落	否	否	否	否	否
烟气情况 (眼睛感觉)	少量				

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[☒] 横向

样品编号	1	2	3	4	5
20 秒内火焰前端是否到达标记线	否	否	否	否	否
火焰熄灭时间 (s)	15	15	15	15	15
最大火焰高度 Max. flame height (cm)	3	3	3	4	3
续燃时间(s)	15	15	15	15	15
阴燃时间(s)	15	15	15	15	15
是否有滴落	否	否	否	否	否
烟气情况 (眼睛感觉)	少量				

上述时间都是从测试开始算起

结论:

[☒] DIN 4102-B2; [☐] DIN 4102-B3

B1 级材料的要求 (DIN 4102-1 第 6.1.2)

非铺地材料可以认为是 B1 级材料如果他们符合以下条件:

a) 在 DIN 4102-16 难燃性测试中通过

- 1) 试件燃烧的剩余长度平均值应大于15厘米, 其中没有一个试件剩余长度为零;
- 2) 每组试验测得的平均烟气温度不超过200℃;
- 3) 每个试样的剩余长度都符合要求, 即便在试验结束时有续燃, 阴燃及闷烧;

b) 通过 DIN 4102-1 第6.2.3 部分可燃性测试,

每个测试样品, 从施加火焰开始20秒内, 火焰前端未到达刻度线

结论: 测试试样符合 DIN4102-1(1998 年 5 月)中规定的关于建筑材料难燃性 B1 级的要求。

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声明:

本报告不能代替产品可能需要的任何强制认证

在特定的试验条件下, 试验结果与试样的性能有关; 试验结果不能作为评估制品在实际使用条件下潜在火灾危险性的唯一依据。

样品照片:



- 该测试由 SGS 内部实验室执行。

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