

测试报告

报告号: AJHL1609010360FB_CN 日期: 2016年10月31日 第1页共6页

温岭市金维工艺编织有限公司

浙江省温岭市滨海镇泰星工业区

以下测试样品为客户提供并确认:

样品描述: PE 编织墙布

SGS 参考号: NBHL1609012775SD

生产厂商: 温岭市金维工艺编织有限公司

测试要求:

GB 8624-2012 建筑材料及制品燃烧性能分级, 平板状建筑材料燃烧级别。

测试结果: --- 参见数据附表 ---

测试持续时间

样品收到日期 : 2016年9月27日

测试执行时间 : 2016年9月27日至2016年10月13日

通标标准技术服务有限公司安吉分公司

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邹石龙
技术经理



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I. 试验方法

本分级试验按照 GB 8624-2012 建筑材料及制品燃烧性能分级进行。测试方法如下:

1. GB/T 20284-2006 建筑材料或制品的单体燃烧试验进行检验;
2. GB/T 8626-2007 建筑材料可燃性试验方法进行检测。

II. 制品和试样信息

a) 制品特征和最终应用

样品“PE编织墙布”被定义为装饰材料,其最终用途为:墙布及室内装饰布。

b) 描述

名称	PE编织墙布
颜色	米黄色
密度	约 245 g/m ²

试样安装与固定 (GB/T 20284):

客户指定胶水:品名(壁装用强力接着剂),制造商(科隆(德国)化工有限公司)

采用密度约 900kg/m³,厚度约 9mm 的硅酸钙板作为基材,样品用客户指定胶水,按约 150g/m²的使用面积,粘贴于基材上,样品长翼无缝。

III. 测试结果

试验方法	参数	样品数量	试验结果
GB/T 20284	火焰增长速率指数FIGRA (W/s)	3	44.2
	火焰横向蔓延 < 试样长翼边缘		是
	600s的总放热量THR _{600s} (MJ)		2.9
	SMOGRA (m ² /s ²)		12.2
	TSP _{600s} (m ²)		44.9
	燃烧滴落物/微粒		否
GB/T 8626 点火时间 = 30 s	60s内焰尖高度 ≤ 150 mm	6	是
	60s内燃烧滴落物是否引燃滤纸		否

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IV. 分级和直接应用领域

以下试验制品燃烧性能等级按照GB 8624-2012第5.1的相关条款判定; 分级参数参见附录A。

a) 燃烧分级

该制品, PE编织墙布, 分级满足:

B

即:

燃烧性能等级: GB 8624 B₁ (B-s1,d0)

b) 直接应用领域

---基材防火等级达A1或A2级

---粘贴固定

---无接缝

本分级报告仅对试样参数符合本报告§II b) 部分描述时有效。

声明: 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。

警告:

本测试分级报告不代表制品的批准与认可。
测试实验室没有参与任何的取样计划和程序。

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附录 A

燃烧性能等级		试验方法	分级判据
A	A1	GB/T 5464 ^a 且	炉内温升 $\Delta T \leq 30$ °C; 质量损失率 $\Delta m \leq 50\%$; 持续燃烧时间 $t_f = 0$
		GB/T 14402	总热值 $PCS \leq 2.0$ MJ/kg ^{a,b,c,e} ; 总热值 $PCS \leq 1.4$ MJ/m ^{2 d}
	A2	GB/T 5464 ^a 或 且	炉内温升 $\Delta T \leq 50$ °C; 质量损失率 $\Delta m \leq 50\%$; 持续燃烧时间 $t_f \leq 20$ s
		GB/T 14402	总热值 $PCS \leq 3.0$ MJ/kg ^{a,e} ; 总热值 $PCS \leq 4.0$ MJ/m ^{2 b,d}
		GB/T 20284	燃烧增长速率指数 $FIGRA_{0.2 MJ} \leq 120$ W/s; 火焰横向蔓延未到达试样长翼边缘; 600 s 的总放热量 $THR_{600s} \leq 7.5$ MJ
B ₁	B	GB/T 20284 且	燃烧增长速率指数 $FIGRA_{0.2 MJ} \leq 120$ W/s; 火焰横向蔓延未到达试样长翼边缘; 600 s 的总放热量 $THR_{600s} \leq 7.5$ MJ
		GB/T 8626 点火时间 30 s	60 s 内焰尖高度 $F_s \leq 150$ mm; 60 s 内无燃烧滴落物引燃滤纸现象
	C	GB/T 20284 且	燃烧增长速率指数 $FIGRA_{0.4 MJ} \leq 250$ W/s; 火焰横向蔓延未到达试样长翼边缘; 600 s 的总放热量 $THR_{600s} \leq 15$ MJ
		GB/T 8626 点火时间 30 s	60 s 内焰尖高度 $F_s \leq 150$ mm; 60 s 内无燃烧滴落物引燃滤纸现象
B ₂	D	GB/T 20284 且	燃烧增长速率指数 $FIGRA_{0.4 MJ} \leq 750$ W/s
		GB/T 8626 点火时间 30 s	60 s 内焰尖高度 $F_s \leq 150$ mm; 60 s 内无燃烧滴落物引燃滤纸现象
	E	GB/T 8626 点火时间 15 s	20 s 内的焰尖高度 $F_s \leq 150$ mm; 20 s 内无燃烧滴落物引燃滤纸现象
B ₃	F	无性能要求	

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- a 匀质制品或非匀质制品的主要组分。
- b 非匀质制品的外部次要组分。
- c 当外部次要组分的 $PCS \leq 2.0 \text{ MJ/m}^2$ 时,若整体制品的 $FIGRA_{0.2 \text{ MJ}} \leq 20 \text{ W/s}$ 、 $LFS < \text{试样边缘}$ 、 $THR_{600s} \leq 4.0 \text{ MJ}$ 并达到 s1 和 d0 级,则达到 A1 级。
- d 非匀质制品的任一内部次要组分。
- e 整体制品。

表 B.1 产烟特性等级和分级判据

产烟特性等级	试验方法	分级判据	
s1	GB/T 20284	除铺地制品和管状绝热制品外的建筑材料及制品	烟气生成速率指数 $SMOGRA \leq 30 \text{ m}^2/\text{s}^2$; 试验 600 s 总烟气生成量 $TSP_{600s} \leq 50 \text{ m}^2$
		管状绝热制品	烟气生成速率指数 $SMOGRA \leq 105 \text{ m}^2/\text{s}^2$; 试验 600 s 总烟气生成量 $TSP_{600s} \leq 250 \text{ m}^2$
	GB/T 11785	铺地材料	产烟量 $\leq 750 \% \times \text{min}$
s2	GB/T 20284	除铺地制品和管状绝热制品外的建筑材料及制品	烟气生成速率指数 $SMOGRA \leq 180 \text{ m}^2/\text{s}^2$; 试验 600 s 总烟气生成量 $TSP_{600s} \leq 200 \text{ m}^2$
		管状绝热制品	烟气生成速率指数 $SMOGRA \leq 580 \text{ m}^2/\text{s}^2$; 试验 600 s 总烟气生成量 $TSP_{600s} \leq 1600 \text{ m}^2$
	GB/T 11785	铺地材料	未达到 s1
s3	GB/T 20284	未达到 s2	

表 B.2 燃烧滴落物/微粒等级和分级判据

燃烧滴落物/微粒等级	试验方法	分级判据
d0	GB/T 20284	600 s 内无燃烧滴落物/微粒
d1		600 s 内燃烧滴落物/微粒,持续时间不超过 10 s
d2		未达到 d1

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